



PROFILES
FOR MODERN
BUILDING

PROTEKTOR UK

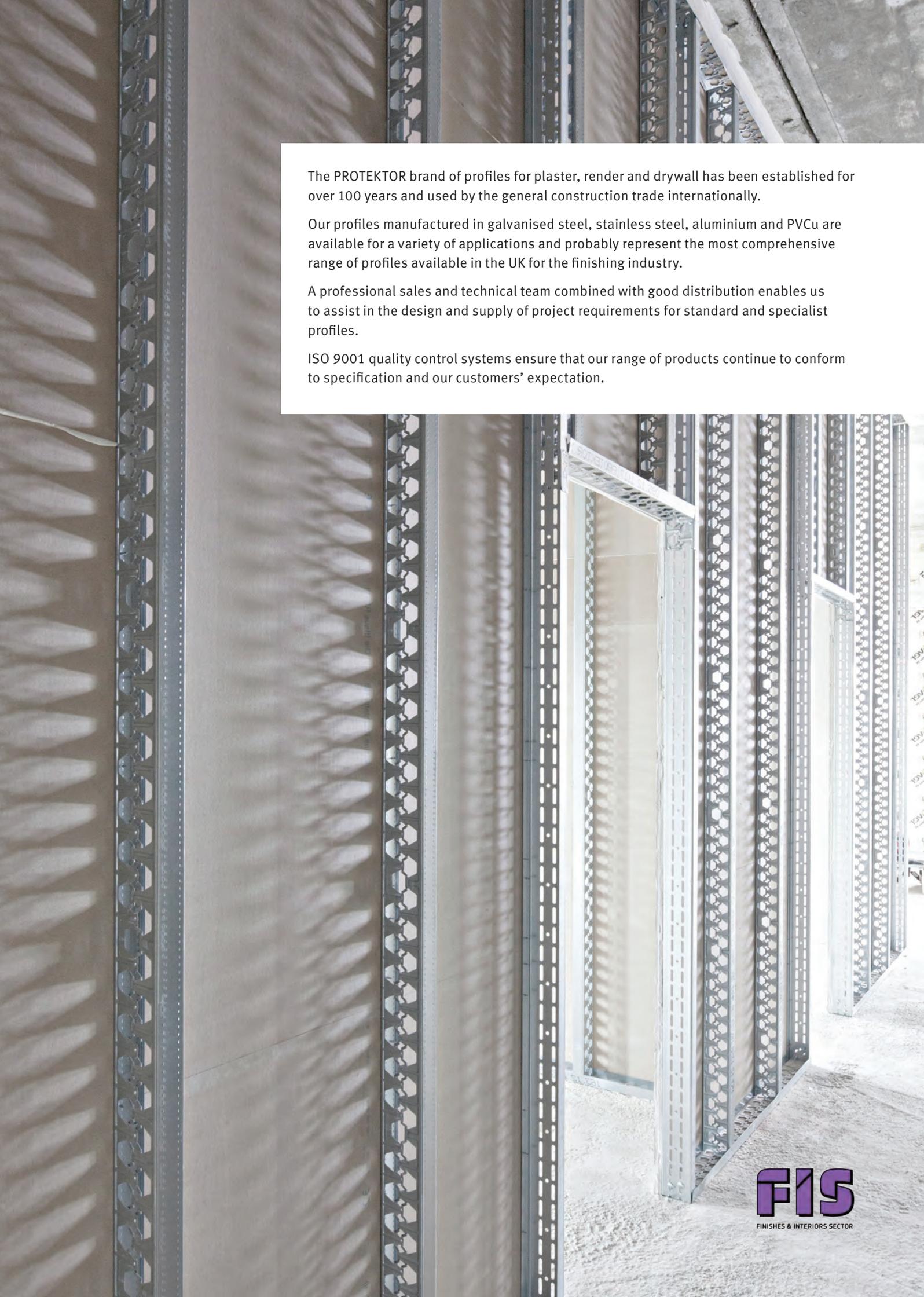
PROFILES FOR PLASTER, RENDER AND DRY WALL



PROTEKTOR

PLASTER PROFILES | DRY WALL PROFILES | EXPANDED METAL

www.protektor.com



The PROTEKTOR brand of profiles for plaster, render and drywall has been established for over 100 years and used by the general construction trade internationally.

Our profiles manufactured in galvanised steel, stainless steel, aluminium and PVCu are available for a variety of applications and probably represent the most comprehensive range of profiles available in the UK for the finishing industry.

A professional sales and technical team combined with good distribution enables us to assist in the design and supply of project requirements for standard and specialist profiles.

ISO 9001 quality control systems ensure that our range of products continue to conform to specification and our customers' expectation.

PROTEKTOR

PROFILES FOR PLASTER, RENDER AND DRY WALL

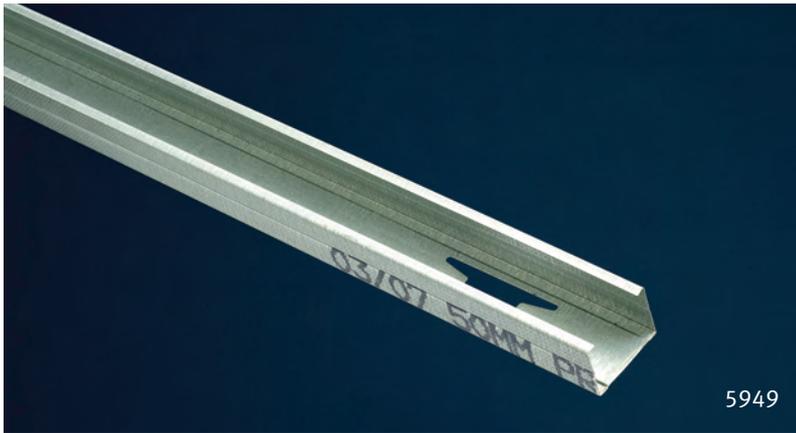


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DRY LINING PROFILES





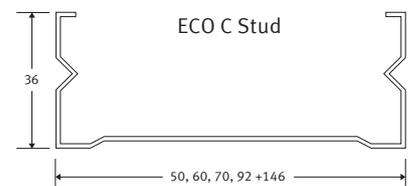
Protektor Eco Stud Partition profiles are a low cost, high quality metal friction fit construction used to form the support frame for non-load bearing plasterboard partitions.

Eco profiles are manufactured to the highest possible quality and fully conform with BS 7364: 1990. Specification for Galvanised steel stud work used in Partitions with screw fixed plasterboard.

Stud profiles can be supplied in four differing widths and a variety of standard lengths to give a wider choice in the variety of builds and applications where required.

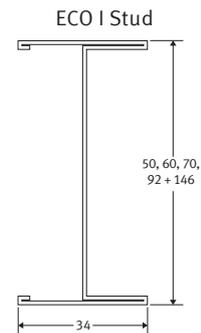
ECO C STUD PROFILES

Ref	Description	Length (Metres)					Qty/Bdl
		2.4	2.7	3.0	3.6	4.2	
5949	50mm x 0.5mm ECO C Stud Profile	•	•	•	•		10
5960	60mm x 0.5mm ECO C Stud Profile			•	•		10
5971	70mm x 0.5mm ECO C Stud Profile	•	•	•	•	•	10
5991	92mm x 0.5mm ECO C Stud Profile			•	•	•	10
59146	146mm x 0.6mm ECO C Stud Profile			•	•	•	10



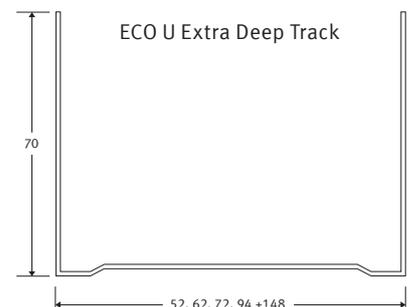
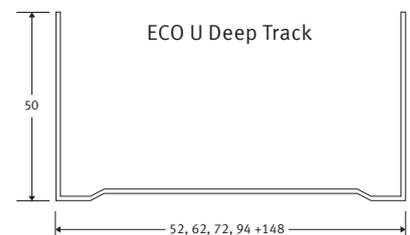
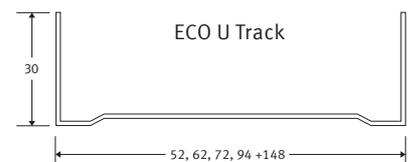
ECO I STUD PROFILES

Ref	Description	Length (Metres)				Qty/Bdl
		3.0	3.6	4.2	5.0	
5949 - I	50mm I Stud x 0.6mm	•	•			10
5960 - I	60mm I Stud x 0.6mm	•	•			10
5971 - I	70mm I Stud x 0.7mm	•	•	•		10
5991 - I	92mm I Stud x 0.9mm		•	•		10
59146 - I	146mm I Stud x 0.9mm		•	•	•	10



ECO STANDARD TRACK PROFILES

Ref	Description	Length (Metres)	Qty/Bdl
5851 / 30	52mm x 0.5mm Standard Track	3.0	10
5862 / 30	62mm x 0.5mm Standard Track	3.0	10
5872 / 30	72mm x 0.5mm Standard Track	3.0	10
5894 / 30	94mm x 0.5mm Standard Track	3.0	10
58148 / 30	148mm x 0.5mm Standard Track	3.0	10



ECO DEEP TRACK PROFILES

Ref	Description	Length (Metres)	Qty/Bdl
5851 / 30-D	52mm x 0.5mm Deep Track	3.0	10
5862 / 30-D	62mm x 0.5mm Deep Track	3.0	10
5872 / 30-D	72mm x 0.5mm Deep Track	3.0	10
5894 / 30-D	94mm x 0.5mm Deep Track	3.0	10
58148 / 30-D	148mm x 0.5mm Deep Track	3.0	10
5851 / 30-ED	52mm x 0.7mm Extra Deep Track	3.0	10
5862 / 30-ED	62mm x 0.7mm Extra Deep Track	3.0	10
5872 / 30-ED	72mm x 0.7mm Extra Deep Track	3.0	10
5894 / 30-ED	94mm x 0.7mm Extra Deep Track	3.0	10
58148 / 30-ED	148mm x 0.7mm Extra Deep Track	3.0	10

PROTEKTOR MAXI-TEC DRY WALL PARTITION PROFILES



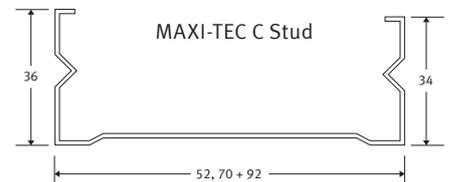
MAXI-TEC is an environmentally friendly steel partition profile range to actively contribute to ensure that sustainable guidelines can be reached and show how ecology, economy and ergonomics can be combined in drywall construction.

The design uses less raw material in the manufacturing process when compared to traditional drywall products, which in turn means reduced energy consumption and less CO2 emissions.

MAXI-TEC stud and track profiles are a low cost, sustainable, high quality metal friction fit construction used to form the support frame for non-load bearing gypsum and specialist board partitions.

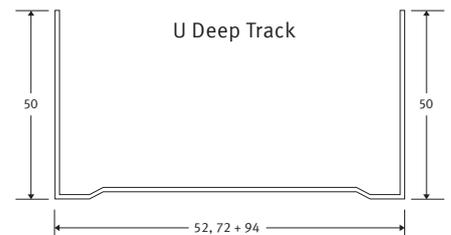
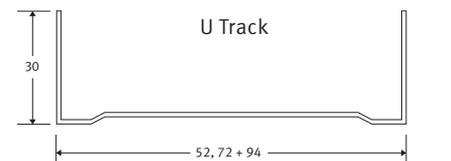
MAXI-TEC BS EN C STUD PROFILES

Ref	Description	Length (Metres)				Qty/Bdl
		2.4	3.0	3.6	4.2	
57749	BS EN C Stud Profile 50mm x 0.5mm	•				10
57775	BS EN C Stud Profile 70mm x 0.5mm	•	•	•	•	10
57790	BS EN C Stud Profile 92mm x 0.5mm		•	•	•	10



STANDARD TRACK PROFILES

Ref	Description	Length (Metres)	Qty/Bdl
		3.0	
5851 / 30	52mm x 0.5mm Standard Track	•	10
5872 / 30	72mm x 0.5mm Standard Track	•	10
5894 / 30	94mm x 0.5mm Standard Track	•	10

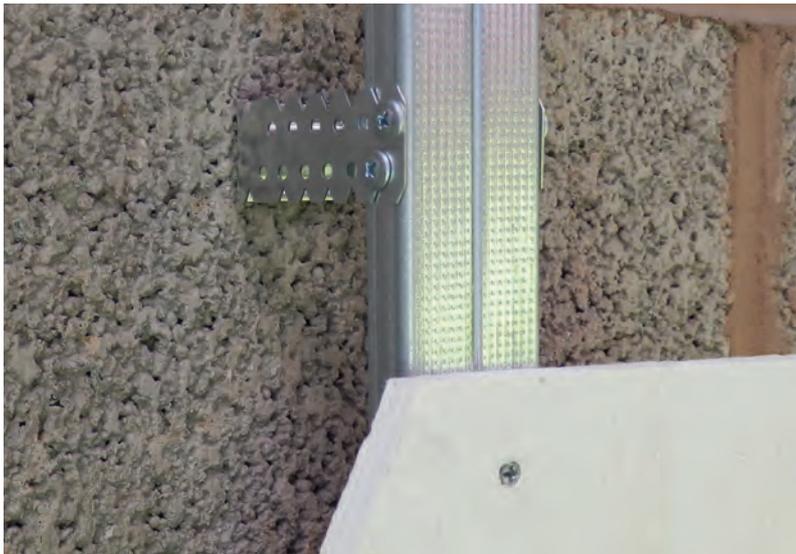


DEEP TRACK PROFILES

Ref	Description	Length (Metres)	Qty/Bdl
		3.0	
5851 / 30-D	52mm x 0.5mm Deep Track	•	10
5872 / 30-D	72mm x 0.5mm Deep Track	•	10
5894 / 30-D	94mm x 0.5mm Deep Track	•	10
5851 / 30-ED	52mm x 0.7mm Extra Deep Track	•	10
5872 / 30-ED	72mm x 0.7mm Extra Deep Track	•	10
5894 / 30-ED	94mm x 0.7mm Extra Deep Track	•	10



PROTEKTOR UNIVERSAL LINING PROFILES



Protektor's Universal Lining system offers a fast, ideal solution for board applications to block/brick wall constructions. The board layer is held away from the supporting wall with our brackets and profiles. The resulting cavity enables the contractor to run services behind the board layer. For build heights and fire/acoustic ratings please contact our technical department. Features an adjustable bracket system.

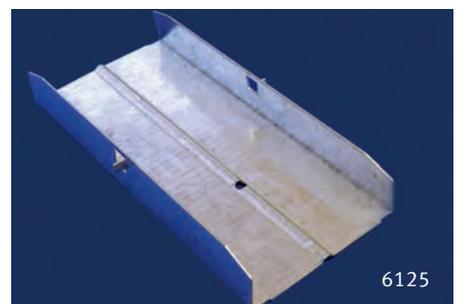
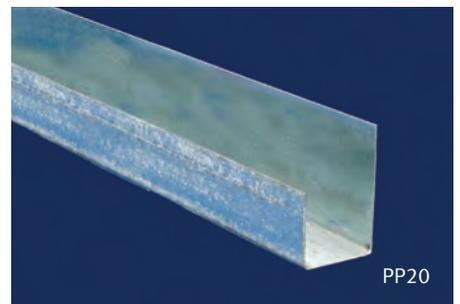
FIXING CHART

Board	Bracket Centres	Wall Profile Centres	Duty Rating
1 x 10mm	600mm	400mm	Heavy
1 x 12.5mm	600mm	400mm	Severe
1 x 15mm	800mm	400mm	Severe
2 x 10mm	800mm	400mm	Severe
2 x 12.5mm	800mm	600mm	Severe
2 x 15mm	800mm	600mm	Severe

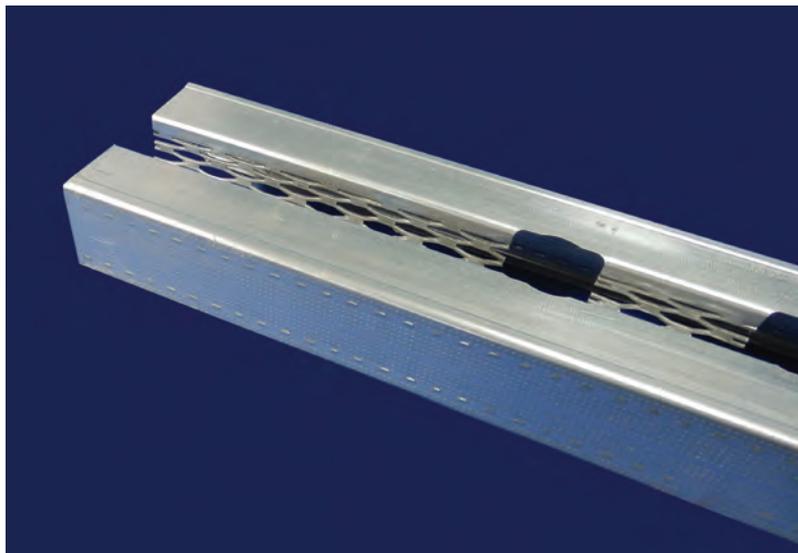


WALL LINING PROFILES

Ref	Description	Length (Metres)			Qty/Pack
		2.4	3.0	3.6	
PP1	CD Profile 47 x 17 x 0.5mm	•	•	•	10
5109	CD Profile 47 x 17 x 0.6mm		•		10
PP20	U Perimeter / Track Profile			•	10
6168	75mm Direct Fix Hanger				100
6166	125mm Direct Fix Hanger				100
6125	CD Profile Connector				100
6340	95mm Timber Hanger				100
6341	190mm Timber Hanger				100
PP25	Column Encasement clip for use with PP1 & 5109				100
6248	Hammer fix Impact dowels for track profiles 40mm x 6mm				100



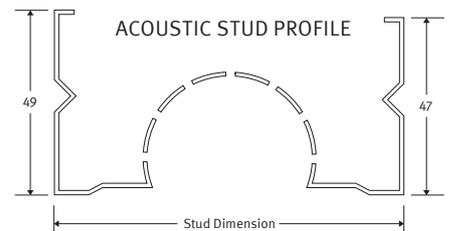
PROTEKTOR ACOUSTIC STUD PROFILES



The Protektor Acoustic Stud profiles are manufactured for areas where a higher level of acoustic performance is required in a single non load bearing stud partition construction. Manufactured from 0.6mm Galvanised Steel the unique stud design allows the sound transmission to be interrupted between the stud wall. Available with a wider fixing face for ease of installation the profile.

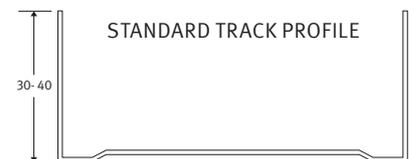
ACOUSTIC STUD

Ref	Description	Length (Metres)			Qty/Pack
		3.0	3.5	4.0	
5660	DIN Acoustic Stud Profile 70mm x 0.6mm	•	•		4
5615	DIN Acoustic Stud Profile 73.8mm x 0.6mm	•	•		4
5677	DIN Acoustic Stud Profile 92mm x 0.6mm	•	•	•	4
5616	DIN Acoustic Stud Profile 100mm x 0.6mm	•	•	•	4
6411	PVC Grommits to suit Acoustic Stud				16



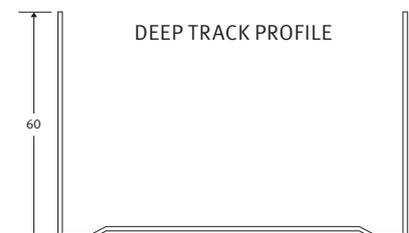
STANDARD TRACK

Ref	Description	Length (Metres)	Qty/Pack
		4.0	
5233	DIN Track Profile 40 x 75 x 40 x 0.6mm	•	8
5234	DIN Track Profile 40 x 100 x 40 x 0.6mm	•	8
5872 / 30	72mm x 0.5mm Standard Track	•	10
5894 / 30	94mm x 0.5mm Standard Track	•	10

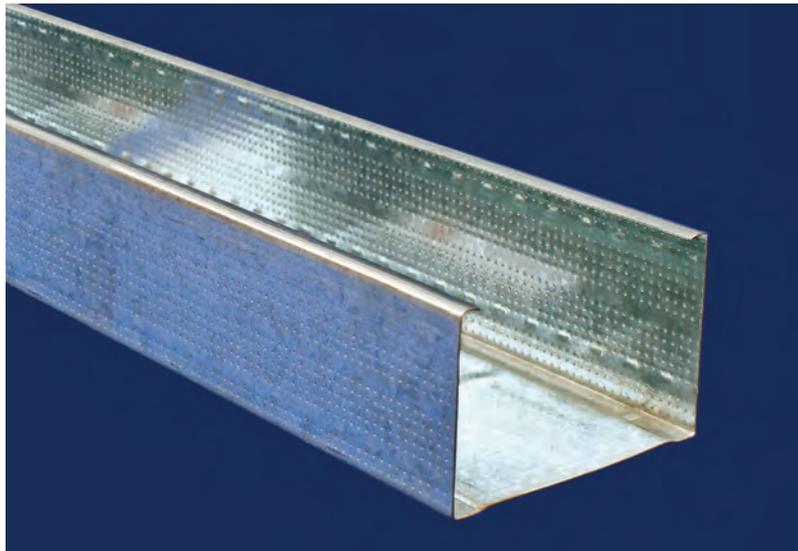


DEEP TRACK

Ref	Description	Length (Metres)	Qty/Pack
		4.0	
5237	DIN Track Profile 60 x 75 x 60 x 0.6mm	•	4
5238	DIN Track Profile 60 x 100 x 60 x 0.6mm	•	4
5872 / 30-D	72mm x 0.5mm Deep Track	•	10
5894 / 30-D	94mm x 0.5mm Deep Track	•	10



PROTEKTOR DIN STANDARD STUD PROFILES



Protektor's unique range of DIN profiles for partitions are designed and manufactured to meet the most stringent of design requirements on site and provide the following benefits:

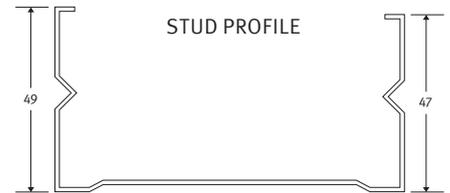
- 50mm fixing face
- Less margin for error when screw fixing
- Speedy installation
- Greater build heights whilst maintaining a narrow wall construction.

The 50mm fixing face of Protektor DIN profiles, manufactured in 0.6mm thick steel, ensures that plasterboard, fibre board or cement particle board are installed efficiently.

They ensure that the build provides both robust construction and assist in maintaining the original performance criteria planned at design stage.

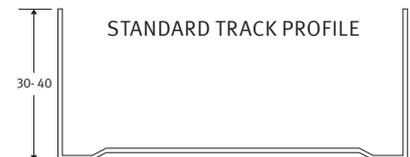
0.6mm STUD PROFILES

Ref	Description	Length (Metres)						Qty/Pack
		3.0	3.5	4.0	4.5	5.0	6.0	
5211	DIN Stud Profile 48.8 x 0.6mm	•	•	•				8
5215	DIN Stud Profile 73.8 x 0.6mm	•	•	•	•	•	•	8
5216	DIN Stud Profile 98.8 x 0.6mm	•	•	•	•	•	•	8
5141	DIN Stud Profile 123.8 x 0.6mm	•	•	•	•	•	•	8
5224	DIN Stud Profile 148.8 x 0.6mm	•	•	•	•	•	•	4



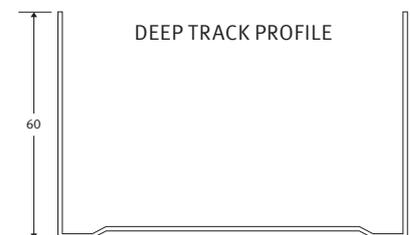
STANDARD TRACK

Ref	Description	Length (Metres)		Qty/Pack
		3.0	4.0	
5230	DIN Track Profile 40 x 50 x 40 x 0.6mm		•	8
5233	DIN Track Profile 40 x 75 x 40 x 0.6mm		•	8
5234	DIN Track Profile 40 x 100 x 40 x 0.6mm		•	8
5248	DIN Track Profile 40 x 125 x 40 x 0.6mm	•		8
5247	DIN Track Profile 40 x 150 x 40 x 0.6mm	•		4



DEEP TRACK

Ref	Description	Length (Metres)		Qty/Pack
		3.0	4.0	
5236	DIN Track Profile 60 x 50 x 60 x 0.6mm		•	4
5237	DIN Track Profile 60 x 75 x 60 x 0.6mm		•	4
5238	DIN Track Profile 60 x 100 x 60 x 0.6mm		•	4
5239	DIN Track Profile 60 x 125 x 60 x 0.6mm	•		4
5240	DIN Track Profile 60 x 150 x 60 x 0.6mm	•		4



PROTEKTOR MAXI-TEC DIN STANDARD STUD PROFILES



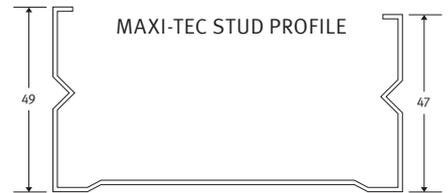
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MAXI-TEC stud and track profiles are a low cost, sustainable, high quality metal friction fit construction used to form the support frame for non-load bearing gypsum and specialist board partitions.

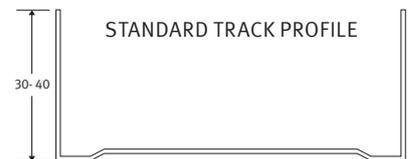
0.6mm STUD PROFILES

Ref	Description	Length (Metres)					Qty/Pack
		2.5	3.0	3.5	4.0	4.5	
5011	DIN Stud Profile 48.8 x 0.6mm	•	•	•	•		8
5015	DIN Stud Profile 73.8 x 0.6mm	•	•	•	•	•	8
5016	DIN Stud Profile 98.8 x 0.6mm	•	•	•	•	•	8



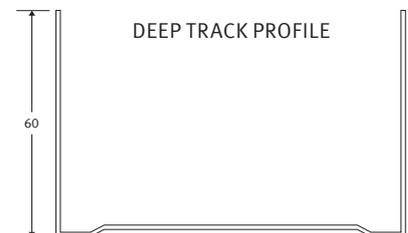
STANDARD TRACK

Ref	Description	Length (Metres)	Qty/Pack
		4.0	
5230	DIN Track Profile 40 x 50 x 40 x 0.6mm	•	8
5233	DIN Track Profile 40 x 75 x 40 x 0.6mm	•	8
5234	DIN Track Profile 40 x 100 x 40 x 0.6mm	•	8



DEEP TRACK

Ref	Description	Length (Metres)	Qty/Pack
		4.0	
5236	DIN Track Profile 60 x 50 x 60 x 0.6mm	•	4
5237	DIN Track Profile 60 x 75 x 60 x 0.6mm	•	4
5238	DIN Track Profile 60 x 100 x 60 x 0.6mm	•	4





The reduction in flanking transmission is of primary importance when planning/designing a partition or ceiling construction. Flanking transmission is defined as sound from a source room but not via a common building element.

Protektor acoustic foam strip is designed to isolate the track or stud profiles from the substrate hence reducing the possibility of flanking transmission through the frame. Installed on the underside of the track when laying out and to the back of the stud profile when starting a frame from an existing wall or flat surface.

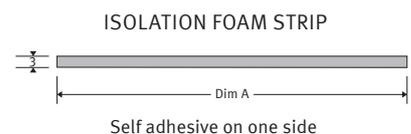
The foam strips are supplied in 30 metre rolls and are self adhesive on one side. They can be easily applied on site or, where requested at time of order, it can be pre-applied to the tracks ready for use on site.

INTUMESCENT AND ACOUSTIC SEALANT

Ref	Description	Size
54410	Fire Rated and Acoustic Sealant	300 ml
54411	Fire Rated and Acoustic Sealant	600 ml

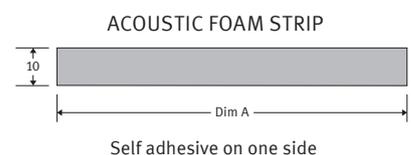
ISOLATION FOAM STRIP

Ref	Description	Length (metres)	Dim A (mm)
6194	45mm Foam Isolation Strip	30	45
6195	70mm Foam Isolation Strip	30	70
6196	95mm Foam Isolation Strip	30	95



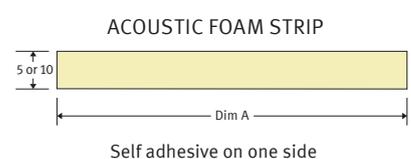
ACOUSTIC FOAM OPEN CELL STRIP

Ref	Description	Length (metres)	Dim A (mm)
54448	45mm wide Acoustic Foam Strip	10	45
54449	70mm wide Acoustic Foam Strip	10	70
54450	95mm wide Acoustic Foam Strip	10	95

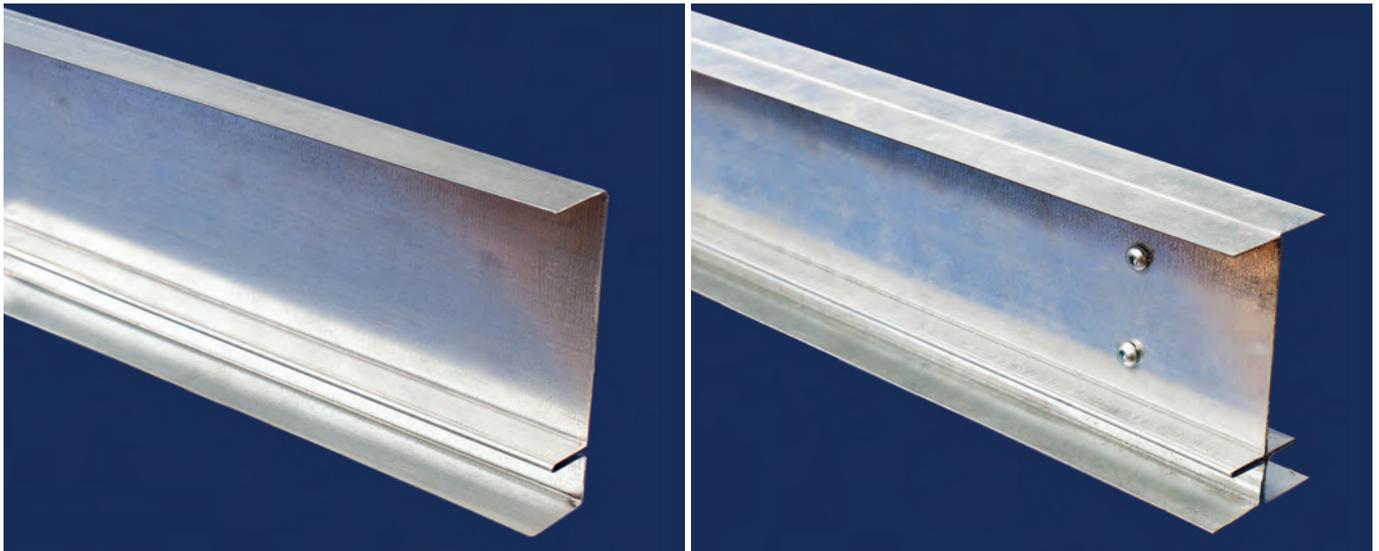


FLANKING STRIP

Ref	Description	Length (metres)	Dim A (mm)
54437	100mm wide x 5mm Flanking strip	50	100
54438	100mm wide x 5mm Flanking strip c/ Polythene skirt	50	100
54439	100mm wide x 10mm Flanking strip	50	100



PROTEKTOR SHAFT WALL PROFILES FOR USE WITH FERMACELL

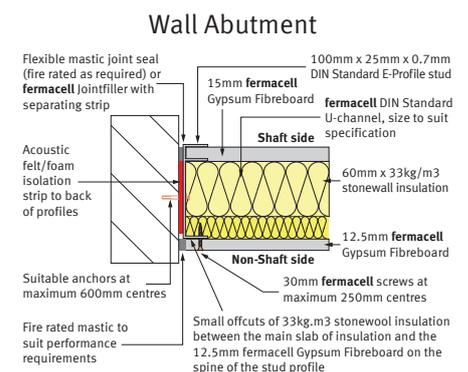
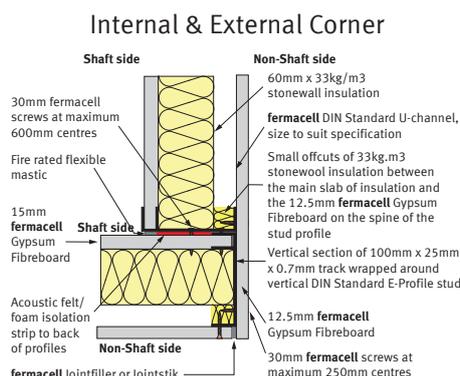
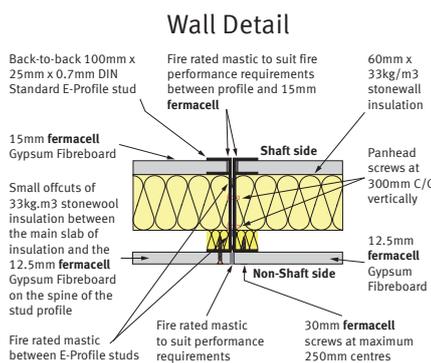
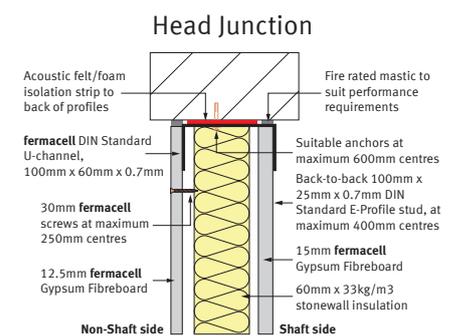
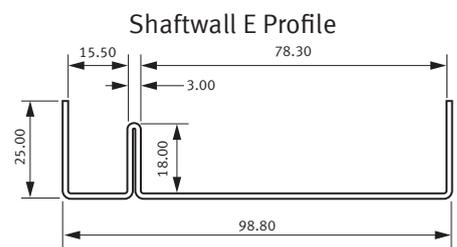


Protektor has developed a bespoke solution for shaftwall constructions, designed specifically for areas where a contractor cannot access both side of the partition. Our E profiles enable the contractor to construct the partition all from one side. The E profile holds the shaft side board in place without the need for screw fixings. The non shaft side boards are then attached with screws to the profile in the conventional manner.

This system has been tested for both fire, acoustics and build height by independent testing houses. For full details on this solution and the construction detailing required for either F60 or F120 Fire Ratings, please contact our technical department.

SHAFTWALL PROFILES - to suit 15mm board

Ref	Description	Length (Metres)					Qty/Pack
		3.0	4.0	4.5	5.0	6.0	
5910	Shaftwall E Profile 98.8 x 0.7mm		•		•		4
5980	Shaftwall E Profile 98.8 x 1.0mm					•	4
5234	Track Profile 40 x 100 x 40 x 0.6mm		•				8
5238	Deep Track Profile 60 x 100 x 60 x 0.6mm		•				4
5161	Angle Profile 25 x 25 x 0.60mm	•					10
6239	Steel Framing Screw 4.2 x 13mm						1,000
6236	Steel Framing Screw Drill Point 13 x 4.2mm						1,000
6196	Foam Strip 95 x 30 metres						1



PROTEKTOR HEAVY DUTY WALL LINING PROFILES



The VCD wall lining system offers a fast, simple to build, method of constructing a steel frame to support a board lining system to solid wall constructions when greater thermal and/or sound requirements are needed.

Protektor's VCD system can be built to a height of up to 20 metres. This heavy duty system can accommodate greater loads than a conventional wall lining system.

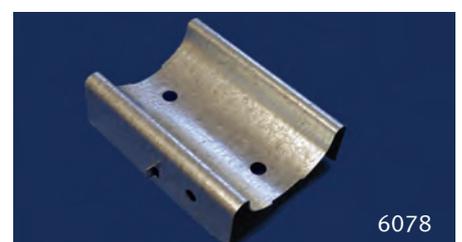
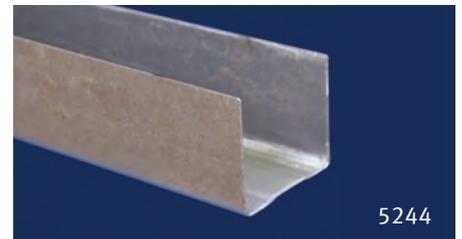
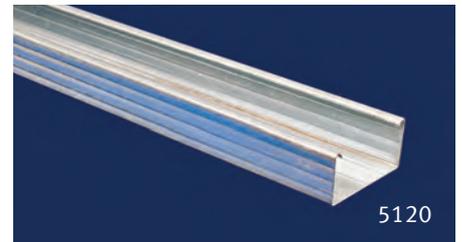
Brackets allow for adjustment of cavity size to allow for increased sound and thermal insulation.

5120 board rail has a 60mm fixing face, improving speed and accuracy of installation.

A central nip in the fixing face is designed for accurate board alignment.

VCD LINING PROFILES

Ref	Description	Length (Metres)	Qty/Pack
		3.0	
5120	CD Profile 60 x 27 x 0.6mm	•	12
5244	U Perimeter / Track Profile	•	16
6156	30mm Direct Fix Hanger		100
6158	60mm Direct Fix Hanger		100
6157	125mm Direct Fix Hange		100
6078	Profile Connector		100
6141	Column Encasement clip for use with 5120		100
6248	Hammer fix impact dowels for track profiles 40mm x 6mm		100



PROTEKTOR DOOR REINFORCEMENT



The Protektor Door Reinforcement system is designed to accommodate a range of door weights.

Our system can accept single or double doors weighing 25kg to over 60kg. The 2mm reinforced door profile has been manufactured with slots running down the web of the profile.

These slots are designed to ease the installation process, making brackets and head details fast and simple to construct, using our (nut and bolt) fixing sets.

Construction data sheets are available upon request from the Protektor technical team.

DOOR REINFORCEMENT PROFILE

Ref	Description	Length (Metres)	Qty/Pack
		4.0	
5129	Door reinforcement profile 48 8mm x 2.0mm	*	4
54415	Door reinforcement profile 70mm x 2.0mm	*	
5130	Door reinforcement profile 73 8mm x 2.0mm	*	4
54416	Door reinforcement profile 92mm x 2.0mm	*	
5131	Door reinforcement profile 98 8mm x 2.0mm	*	4
5132	Door reinforcement profile 123 8mm x 2.0mm	*	4
5140	Door reinforcement profile 148.8mm x 2.0mm	*	4



DOOR REINFORCEMENT BRACKETS AND ACCESSORIES

Ref	Description	Qty/Pack
6185	40mm x 2.0mm Fixing Angles to suit 5129	25
6183	68mm x 2.0mm Fixing Angles to suit 54415, 54416 & 5130	25
6182	93mm x 2.0mm Fixing Angles for 5131	25
6190	119mm x 2.0mm Fixing Angles for 5132 & 5140	
6203	Fixing Set (nut, washer & bolt)- M8 x 20mm	100



SFS AND EXTERNAL SOLUTIONS



PROTEKTOR SFS LIGHT GAUGE STEEL FRAMING



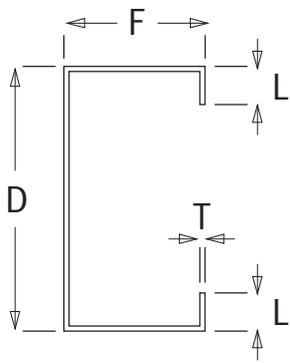
The Protektor SFS system is a widely recognised and proven method of creating external and internal stud frames across a wide and diverse range of construction projects.

From small residential structures to large scale public buildings, it creates a Rapid Dry Envelope (RDE) that has some key benefits over more traditional methods of construction.

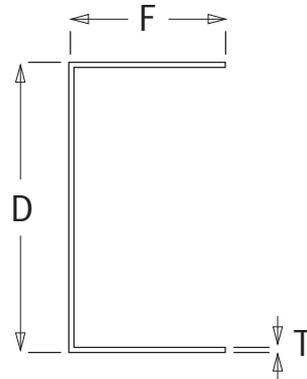
- Speed of construction
- Installation of inclement conditions
- Quality, accuracy and reliability
- 100% recyclable
- Dimensional stability
- Reduced site storage requirements
- Quick supply times to site

SECTION SIZES

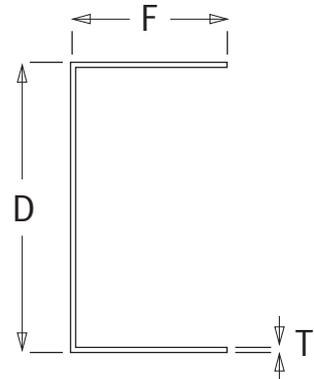
Protektor 'standard' sections are available in the following dimensions to suit a variety of structural and architectural requirements.



'S' Section



'DT' Section



'ST' Section

Ref.	Profile	D	F	L	T
54310	S10012	100	55	14	1.2
54312	S10015	100	55	14	1.5
54314	S10020	100	55	14	2.0
54315	S15012	150	55	14	1.2
54317	S15015	150	55	14	1.5
54319	S15020	150	55	14	2.0
54434	S20012	200	55	14	1.2
54435	S20015	200	65	14	1.5
54436	S20020	200	65	14	2.0

Ref	D	F	T
54425 DT10012	104	70	1.2
54313 DT10020	104	70	2.0
54426 DT15012	154	70	1.2
54318 DT15020	154	70	2.0
54427 DT20012	204	70	1.2
54428 DT20020	204	70	2.0

Ref	D	F	T
54311 ST10012	104	40	1.2
54430 ST10020	104	40	2.0
54316 ST15012	154	40	1.2
54431 ST15020	154	40	2.0
54429 ST20012	204	40	1.2
54432 ST20020	204	40	2.0

INFILL SYSTEM

The Protektor Infill system uses 'C' sections (studs) that span vertically between the 'U' sections (tracks) which are fixed to the primary structure to form the inner leaf wall panel/frame. They are available in a standard range of widths of; 70, 100, 150, 200 and 250mm.

(Bespoke section sizes are also available on request)

The studs are typically placed at 300, 400 or 600mm centres depending on the structural design requirements and/or to suit internal/external cladding board dimensions.

The frame arrangement forms any structural openings for windows/doors/penetrations and provides a substrate for the fixing of the façade treatment as well as the internal plasterboards. The bearing of the frame in relation to the primary structure is generally set a short distance outside to allow sheathing boards and insulation to be fitted in a true and constant line without interference from the structure.

Infill framing is the most commonly used application of the system and is generally well understood by Architects and Main Contractors.



Typical 'Infill' SFS Panel Arrangement

OVERSAIL (CANTILEVER) FRAMING

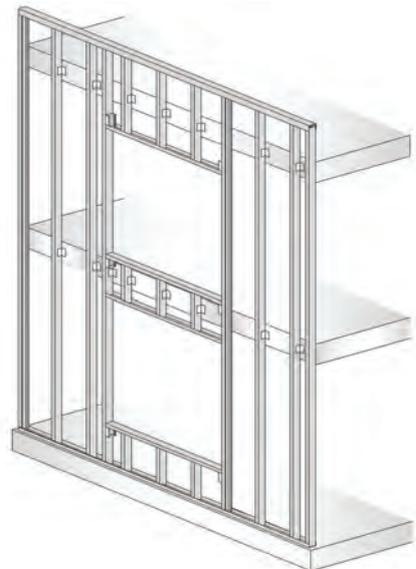
The principles of Oversail SFS are very similar to Infill Framing with the exception that the SFS is offset from the primary structure.

The method of support at the base of a panel can vary from project to project where:

- The stud wall is fully supported on an extended slab or offset hot rolled steel section.
- The stud wall is not directly supported by the main structure but is cleated/bracketed back to the structure using specially designed brackets.

This type of system lends itself to projects where the façade treatment needs to have reduced external movement joints or to maximise internal floor areas. It is also an effective way of creating free standing parapets without the need for additional structural steel/concrete. It is not recommended for use on pretensioned concrete structures as the brackets that connect the frame to the structure may need to be fixed on a tendon/chord position.

Close co-ordination of the fenestration is required on these types of installations as the jombs that form the openings may have to line through floor-to-floor. Offset or staggered window arrangements may be better achieved using the infill system.



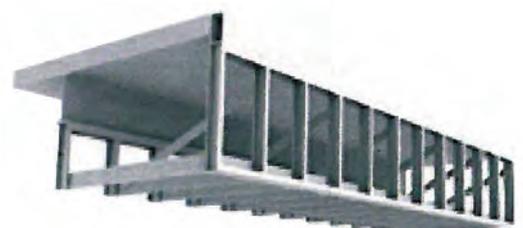
Typical 'Oversail' SFS Panel Arrangement

BESPOKE / SPECIAL SOLUTIONS

As a robust, flexible and quickly built solution, the SFS products can be used to form special constructions such as:

- Soffits
- Bulkheads
- Feature Fins

Advice should be sought from Protektor when considering these types of construction as they generally require special detailing and engineering to ensure a robust solution is built.



Typical bespoke / special solution

PROTEKTOR ALUMINIUM COPING PROFILES



ALUMINIUM COPINGS

Made-to-measure Aluminium Copings provide economical and stylish protection to parapet walls. Our copings provide the perfect aesthetic finish to your project and are both easy to handle and quick to install.

Suitable for new build and retrofit projects, we have two coping systems available. These comprise of a standard system as well as our unique, patent-pending, heavy duty bracket system, which has been specifically designed to provide additional robustness against wind uplift.

Our heavy duty coping system incorporates secret-fix sloping brackets, which eradicate the need for timber battens; as well as an optional foam seal which eliminates the requirement for supplementary sealants.

- Unique robust bracket design.
- Economical, weatherproof and easy to install.
- No visible fixings.
- Supplied in standard or curved formation.
- Additional T-sections, stopends, upstands and joints can all be made to exact requirements.
- Available in a powder coated finish to any standard RAL colour, to Qualicoat Standard (warranty available on request).
- Supplied with a protective film covering.



Standard system



Heavy duty system





ALUMINIUM FASCIAS, SOFFITS AND SILLS

Bespoke Fascias, external Soffits and Sills are suitable for a wide range of commercial and domestic applications. Products are available in an extensive choice of colours and finishes. Protektor profiles provide a robust, crisp and clean finish at any junction.

- Individually designed and manufactured to specification.
- Manufactured in a variety of different materials and finishes.
- Optional Powder Coating to any standard RAL colour. (to Qualicoat Standard).



PROTEKTOR BESPOKE FABRICATIONS



BESPOKE FABRICATION

Bespoke profiles can be manufactured to customer requirements in a variety of material types and gauges. Many project requirements are unique in their design however with careful planning and accurate manufacture upon completion can more than compliment the finished appearance of the construction.

Made to measure and to specification the finished profile can be powder coated to the required RAL colour allowing the finished article to meet the original architectural vision.



SUSPENDED CEILINGS



PROTEKTOR MF SUSPENDED CEILINGS



The Protektor MF ceiling system is designed for use in most commercial applications. Whilst being an economical cost effective system, it still retains the quality of manufacture associated with the Protektor brand.

All the components meet or surpass current British and European standards and as such the contractors can construct a suspended ceiling with confidence.

PERFORMANCE

The choice of board will be dependent on the performance required for both fire and sound insulation. Reference should be made to the National Building Regulations Approved Document and Building Standards (Scotland) Regulations before commencement of works. The board manufacturer's data sheets also offer valuable detail.

MF SUSPENDED CEILINGS

Ref	Description	Size mm	Length metres	Qty/Pack
PP4	Furring Channel	0.6	3.0	10
PP5	Furring Channel	0.5	3.6	10
PP6	Edge Channel	0.5	3.6	10
PP7	Primary Channel	0.8	3.6	10
PP8	Strap Hanger	0.5	25	1
PP9	Connecting Clip			200
PP10	Angle Profile	25 x 25 x 0.80	3.6	20
5161	Angle Profile	25 x 25 x 0.60	3.0	20
PP45	Angle Profile	50 x 25 x 0.70	3.0	10
PP50	Angle Profile	50 x 50 x 0.70	3.0	10
PP11	MF Nuts & Bolts			200
PP12	Cleats / Brackets			100
PP13	Acoustic Hanger	35		100
PP14	Acoustic Hanger	70		100
PP15	Primary Channel	1.2	3.6	10
6239	Steel Sharp Point Framing Screw	4.2 x 13		1000
6236	Steel Jack Point Framing Screw	4.2 x 13		1000
6260	Steel Ceiling Dowel	6 x 45		100



CEILING CONSTRUCTION

Max load inc board kg / m ²	Hanger Centres mm	Primary channel centres mm
30	1200	1200
40	1200	900
60	1200	600
70	900	900

PROTEKTOR MF SUSPENDED CEILINGS



SOUND INSULATION

High acoustic performance is generally associated with greater mass (i.e. multi-layers of board). Extra mineral wool, insulation and acoustic sealant may be required to meet the regulations. Reference to the board manufacturer's data sheets is recommended.

FIRE RATING

A fire rating is achieved by a combination of type of board used, number of layers of board and insulation. Refer to manufacturer's data sheets. Protektor MF metal components are non-combustible when tested in accordance with BS476: Part 4: 1970.

A quality intumescent sealant should be used when sealing all perimeters.

METHOD OF BUILD

Fix the perimeter edge channel at 600mm centres starting 50mm from the end of the channel, with appropriate fixings to the walls at the required height of the proposed ceiling.

Attach the Protektor soffit cleat to the structural soffit. Suspend the metal ceiling frame from the soffit cleats with Protektor angle or strap hangers. Fix the metal angle strap hangers to the Protektor primary channel with two pan head screws.

The angle strap hangers should be spaced at 1200mm along the length of each primary channel.

The centres of the primary channels are dependent upon the total loadings once the ceiling is completed.

Fix the Protektor ceiling furring channel at right angles to the primary channels and secure using Protektor connecting clip. Be sure to fix ceiling channels with pan head screws when a double layer of ceiling boards are required.

Hook the clips to the flange of the ceiling channel and snap fix onto the primary channel. The ceiling channel centres should be no greater than 450mm.

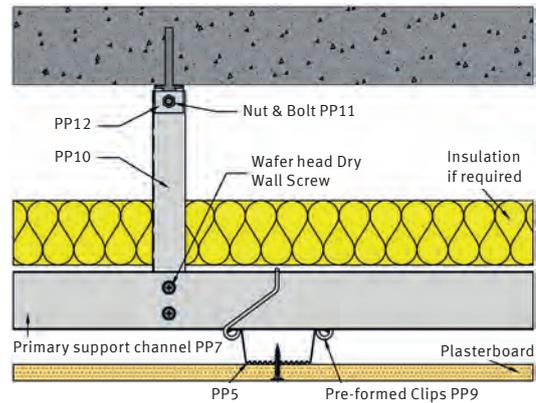
The chosen board can now be screw fixed to the frame. Refer to board manufacturers' guidelines and data sheets for details.

The primary channel can be joined together by placing the two pieces back to back (overlap 150mm) and bolting together.

The ceiling channel is joined together by overlapping inside each other by 150mm and secured by crimping or screwing twice both sides of the overlap.

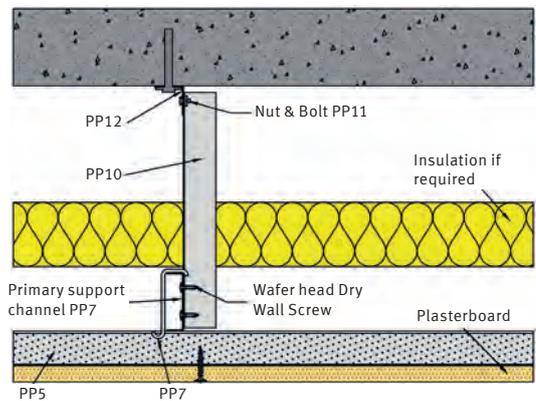
APPLICATION DETAILS

MF Ceiling - Standard Layout 'A'

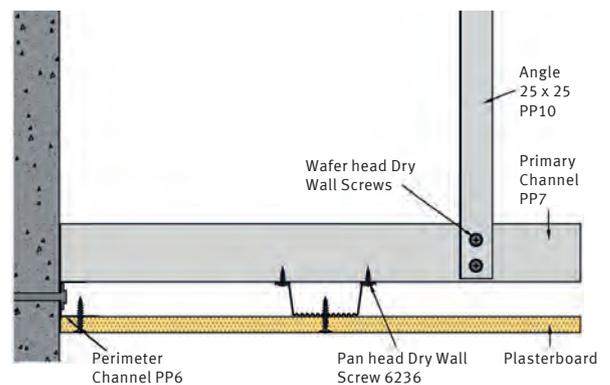


NOTE: Self-drilling dry wall pan head screws to be used in Domestic/ Residential Applications

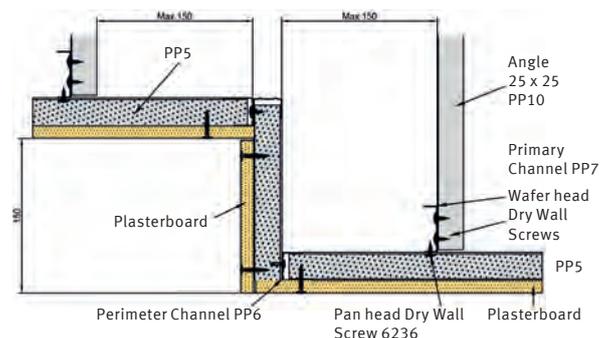
MF Ceiling - Standard Layout 'B'



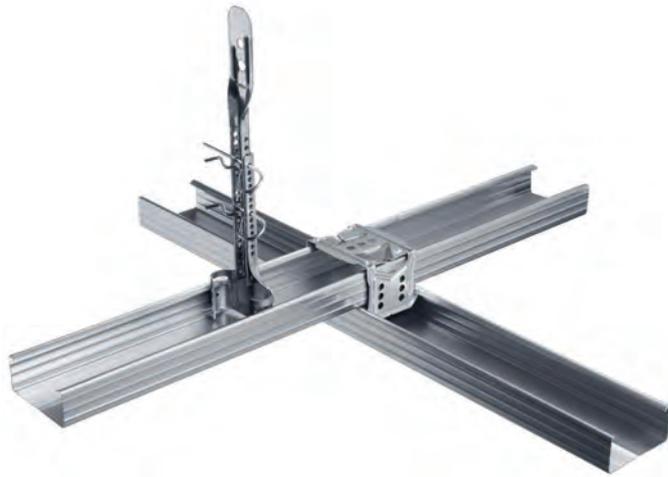
MF Ceiling - Perimeter detail



MF Ceiling - Bulkhead detail



PROTEKTOR K400 SUSPENDED CEILING RANGE



The K400 series ceiling systems are a range of solutions meeting today's demanding requirements.

This heavy duty (DIN Standard) system offers the contractor speed of installation and greater additional loadings.

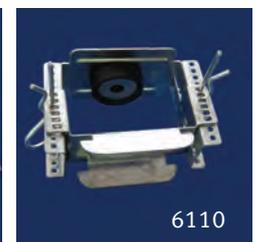
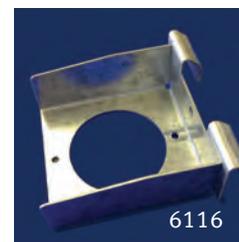
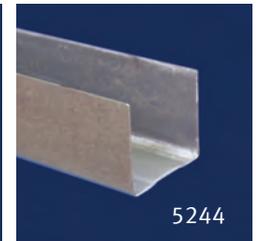
Even when the ceiling is arched or there are stringent requirements for soundproofing or fire prevention, Protektor has the right metal sub-structure to create the desired solution. This gives sustainable stability. It is seen by the contractor and felt by the installer. Our sub-structures for suspended ceilings, for example, are chosen by many architects because of the large degree of freedom they provide in creating their vision and in the choice of materials.

K400 Galvanised Steel

Ref	Description	Lengths	Qty/box
5120	CD Ceiling Profile 60 mm x 0.6 mm	3.0	
PP50	Angle Profile 50 mm x 50 mm x 0.7 mm	3.0	
PP601	Angle Profile 50 mm x 75 mm x 1.2 mm	3.0	
PP602	Angle Profile 50 mm x 75 mm x 2 mm	3.0	
PP603	Angle Profile 50 mm x 75 mm x 3 mm	3.0	
PP604	Angle Profile 50 mm x 50 mm x 3 mm	3.0	
PP605	Angle Profile 60 mm x 80 mm x 3 mm	3.0	
5168	U Perimeter Profile	3.0	
5179	U Perimeter Profile	3.0	
5242	U Perimeter Profile	3.5	
5244	U Perimeter Profile	3.0	
5072	Bogen Curved Ceiling Profile	4.0	
5114	Hat Ceiling Profile 48 mm x 15.5 mm x 0.6 mm	4.0	
6001	Slotted Metal Strip 20 mm x 1.5 mm	50	1
6011	Nonius Hanger for use with HD T Profile		100
6012	Nonius Hanger		100
6013	Nonius Hanger for use with UA-50 or 50 mm x 50 mm Timber Batton		100
6014	Nonius Hanger for use with CD 60-27 Profile		100
6015	Nonius Hanger for use with Timber battons	0.2	100
6017	Nonius Hanger for use with K400 Arch		100
6018	CD Nonius Hanger		100
6032	Connector for Adjusting Strip		100
6078	Profile Connector		100
6093	Click Fix rail Runner Bracket		100
6100	Cross Connector for 5129		100
6102	Cross Connector		100
6199	Adjusting Clamp		100

ADJUSTING STRIP FOR NONIUS HANGERS

Ref	Length(m)	Qty/box	Ref	Length(m)	Qty/box)
6020	0.1	100	60211	1.1	50
6021	0.2	100	60212	1.2	50
6022	0.3	100	60213	1.3	50
6023	0.4	100	60214	1.4	50
6024	0.5	100	60215	1.5	50
6025	0.6	100	60216	1.6	50
6026	0.7	100	6019	1.7	50
6027	0.8	100	60218	1.8	50
6028	0.9	100	60219	1.9	50
6029	0.1	100	60220	2.0	50
			60222	2.2	50
			60223	2.3	50
			60225	2.5	50
			60230	3.0	50
			6031	3.0	20



PROTEKTOR K400H CONSTRUCTION DETAILS

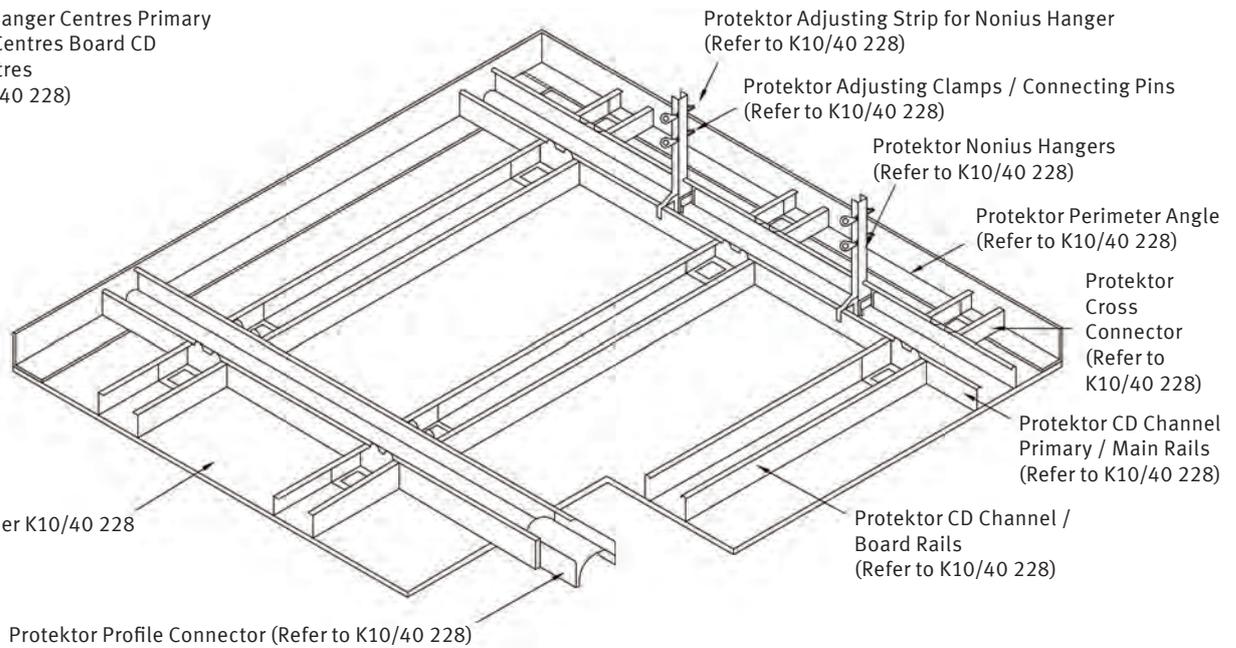


Protektor K400H Grid Construction provides a low level - single tier construction method when installing the K400. The grid can be installed quickly and by using the 6116 bracket can easily provide surround support for the installation of access panels.

Widely used in Fire Protection, the K400H is recommended by a number of specialist passive fire protection board manufacturers.

The Coated C3 & C5 range of profiles and accessories would be recommended for External or High Humidity areas where corrosion resistance would be required.

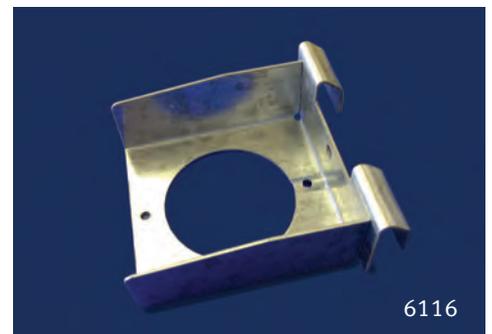
For Fixing / Hanger Centres Primary
 CD Channel Centres Board CD
 Channel Centres
 Refer to K10/40 228)



ADDITIONAL NOTES:
 Board Rail / Channel to be set 100mm from Perimeter Edge
 Primary Board Rail / Rail to be set at 100mm from Perimeter / Edge

WEIGHT LOADING

	Hanger Centres mm	Primary Profile Centres mm	Board Profile Centres mm
32 Kg/m ²	750	750	400 - 600
48 Kg/m ²	650	750	400 - 600
70 Kg/m ²	600	600	400 - 600
85 Kg/m ²	500	600	400 - 600



PROTEKTOR K400 CONSTRUCTION DETAILS

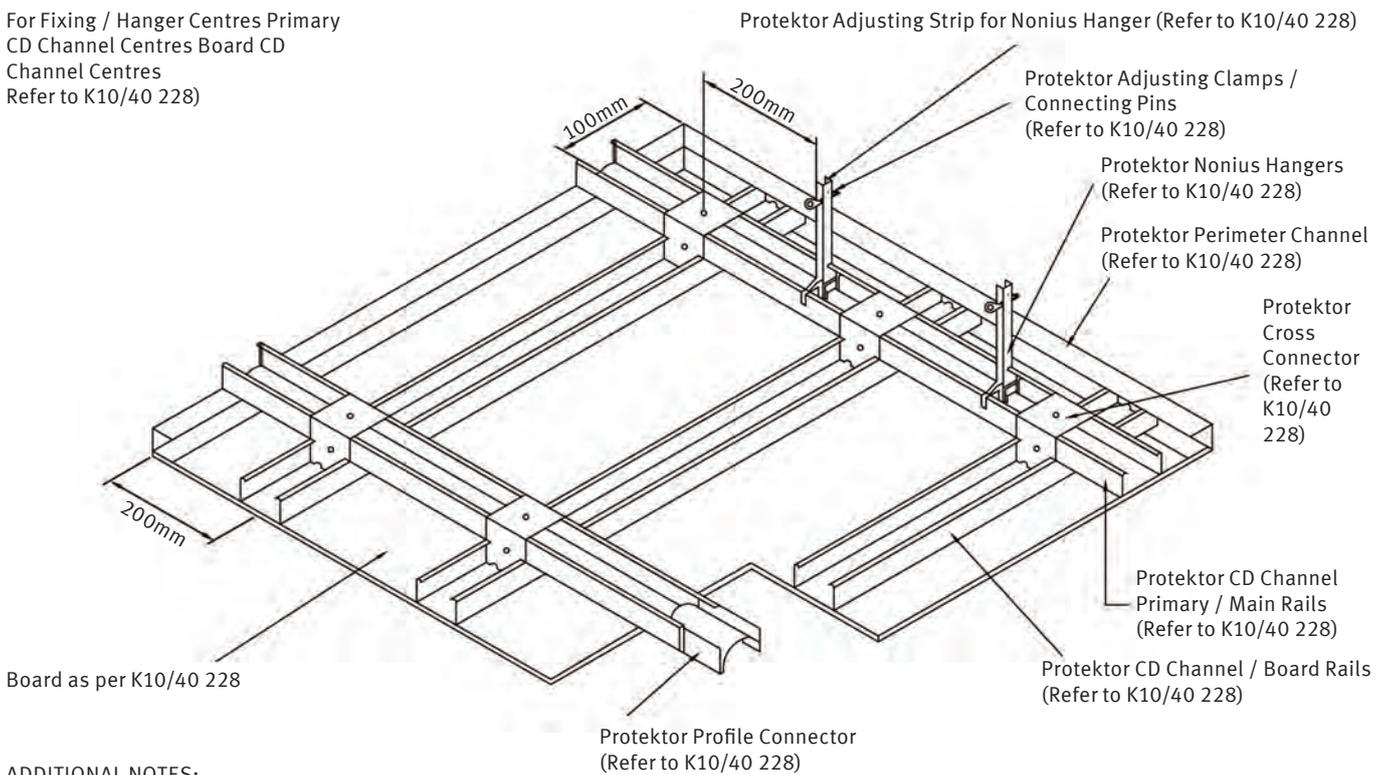
Protektor K400 Suspension Ceiling Grid can be calculated and designed to accept loads of up to 120 kilos / m² where multiple layers of high density boards are to be installed.

The two-tier grid system uses Nonius Hangers that offer multiples of 5 mm adjustment enabling the installer to level the ceiling with ease and speed all locked into place with the use of 6199 adjusting pins. In addition to the standard ceiling the range can also be used in curved applications by using the Bogen suspension profile 5072 with top hat section 5114

For areas where Anti Vibration and Acoustic Control is required, please ask for details of our new Nonius 6530 Silencio range.

The Coated C3 & C5 range of profiles and accessories would be recommended for External or High Humidity areas where corrosion resistance would be required.

For Fixing / Hanger Centres Primary
 CD Channel Centres Board CD
 Channel Centres
 Refer to K10/40 228)



ADDITIONAL NOTES:

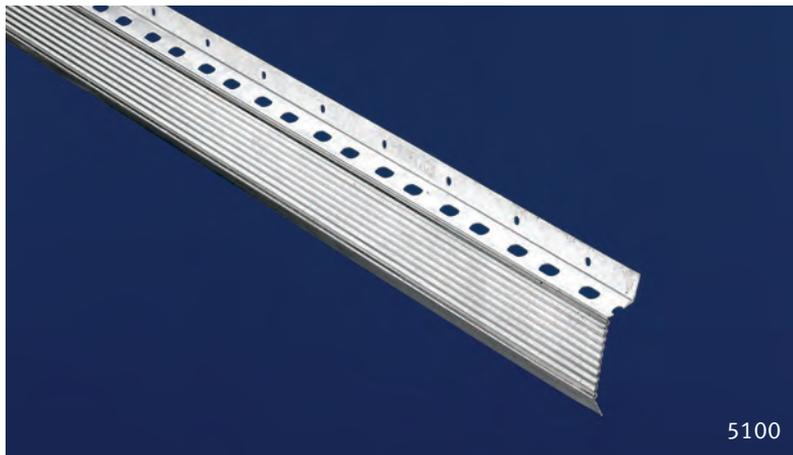
Board Rail / Channel to be set 100mm from Perimeter Edge
 Primary Board Rail / Rail to be set at 100mm from Perimeter / Edge

WEIGHT LOADING

	Hanger Centres mm	Primary Profile Centres mm	Board Profile Centres mm
32 Kg/m ²	750	750	400 - 600
48 Kg/m ²	650	750	400 - 600
70 Kg/m ²	600	600	400 - 600
85 Kg/m ²	500	600	400 - 600



PROTEKTOR RESILIENT BAR PROFILES



Protektor Resilient Bar Profiles are designed to improve the sound insulation of plasterboard walls and ceilings whether used in new build or in the improvement of existing constructions. The profile assists in isolating the plasterboard from the supporting surface, hence reducing the area of contact and dissipating the level of sound transferring through the metal section. DIN Standard profile 5007 is particularly effective when supporting a greater mass or weight of board (max 50 kilos/m²) to assist in achieving higher levels of acoustic performance.

Care should be taken to ensure that fixings do not penetrate through the resilient bar into the timber joist as this will create flanking and reduce the performance of the profile.

PERFORMANCE

The choice of board will be dependent on the performance required for both fire and sound insulation. Reference should be made to the National Building Regulations Approved Document and Building Standards (Scotland) Regulations before commencement of work. The board manufacturer's data sheets also offer valuable detail.

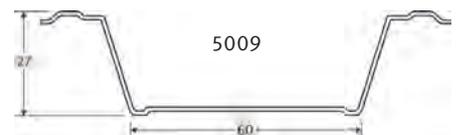
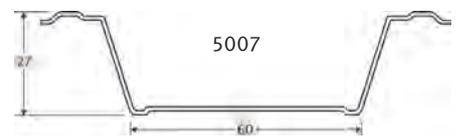
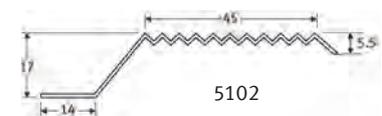
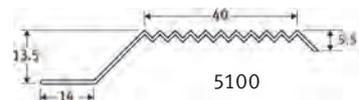
METHOD OF BUILD

Fix resilient bars 90 degrees to stud work framing either to ceilings or walls. Fix with the narrow flange to the bottom and the fixing flange to the top using the desired fixing, with exception to the top bar which is fixed with the fixing flange at the bottom. For single boarded systems install at 400mm centres, for double boarded systems install resilient bars at 600mm centres. When installing to ceilings install resilient bars at 400mm centres.

Where abutting door openings, cut and install resilient bar noggins between horizontal bars to allow plasterboard to be fixed at the required centres.

RESILIENT BAR

Ref	Description	Length (Metres)		Qty/Pack
		2.4	3.0	
5100	Standard Resilient Bar 40 x 13.5 x 0.6mm	•	•	10
5102	Resilient Bar 45 x 17 x 0.5mm		•	10
5007	DIN Standard Resilient Bar 60 x 27 x 0.6mm		•	10
5009	DIN Standard Resilient Bar 60 x 27 x 0.9mm		•	10



RECOMMENDED FIXING



Flat Pan Head fixing 4.2mm x 35mm Dia best suited for fixing resilient bars and profiles through to timber joist.

The fixing compresses the profile or bracket to the joist without causing any ripping to the existing perforation.

PROTEKTOR COATED SUSPENSION PROFILES

PROTEKTOR C3 COATED PROFILES FOR EXTERNAL APPLICATION



Protektor C3 Coated profiles are designed to meet the requirements for the suspension and support of exterior grade boards in External applications in soffit and wall applications.

The C3 coating meets with the requirements of ISO 12944 and provide a high level of anti-corrosion resistance.

The Suspension grid is manufactured to meet the requirements of wind load (suction and pressure), with all the specific information our Engineers are able to calculate the required centres for the suspension hangers and main supporting profiles ensuring a good level of support is provided.

Recommended areas for application are as follows:

- External soffits
- Canopies
- Cattle Sheds
- Car Parks
- Chemical processing plants

In coastal areas we recommend the use of the C5 range of profiles for a higher level of corrosion resistance.

Please note that the areas once completed still need to be checked for maintenance as per good site practise and with good planning and well located Protektor Access Panels damage to inspection areas can be reduced.



Ref	Description	Length (Metres)	Qty/Pack
58102	CD Ceiling Profile 60 mm x 0.6 mm	4.0	12
58122	U Perimeter Profile	3.0	16
58168	J Perimeter Profile	3.0	16
C3-PP50	L Angle Perimeter Profile 50 mm x 50 mm x 0.7 mm	3.0	10
59014	Top Hat Profile 10 mm x 15.5 mm x 48 mm	4.0	10
C3-THG005	Top Hat Profile 10 mm x 15 mm x 80 mm	4.0	10
58121	C3 - C5 Direct Fix Hanger 125 mm	0.125	100
58159	C3 - C5 Direct Fix Hanger 200 mm	0.2	100
58108	C3 - C5 CD Nonius Hanger		100
58107	C3 - C5 Adjusting Clamps		100
58128	C3 - C5 Click Fix Profile Clip		100
58310	C3 - C5 CD Direct Fix Adjustable Hanger		100
58106	C3 - C5 Hanger 190 mm	0.19	100
58103	C3 - C5 Profile Connector		100
58104	C3 - C5 Cross Connector		100
58105	C3 - C5 Safety Cross Connector		100
58304	C3 - C5 Quick Cross Connector for use with UA 50 profile		100
58236	C5 Jack point Pan Head screw 13 mm x 4.2 mm	1000	1000
58239	C5 Pan Head screw 13 mm x 4.2 mm	1000	1000
58233	C5 6.3 mm x 19 mm Self Drilling Screw (> 6.0 mm)	500	500
58220	C3 6 mm x 44 mm Ceiling Dowel with Nail Head	100	100
58150	C3 - C5 Spray Paint – Black	400 ml	1

C3 - C5 ADJUSTING STRIP FOR NONIUS HANGERS

Ref	Length (m)	Qty/Pk	Ref	Length (m)	Qty/Pk
58109	0.1	100	58123	1.2	50
58110	0.2	100	58124	1.4	50
58111	0.3	100	58119	1.7	50
58112	0.4	100	58125	2.0	50
58113	0.5	100	58126	2.5	50
58114	0.6	100			
58115	0.7	100			
58116	0.8	100			
58117	0.9	100			
58118	1.0	100			



PROTEKTOR C3 COATED PROFILES FOR WALLS AND SOFFITS

ISO 12944 Classification

C3

Typical Environments

Urban and industrial atmospheres PD300, Moderate Sulphur Dioxide levels

Protektor Grid Solutions

PD300



PROTEKTOR C5 COATED RANGE FOR HIGH HUMIDITY AREAS



Protektor C5 Coated Profiles are designed to meet the requirements for the suspension and support of boards in High Humidity areas such as swimming pools and wet rooms.

The C5 coating meets with the requirements of ISO 12944 and provide a high level of anti-corrosion resistance.

PROTEKTOR UK also manufacture and supply a range of standard BS, DIN, bespoke and innovative new ranges of metal stud, track, drywall metal and PVC for wall and ceiling linings/partitions.

Please note that the areas once completed still need to be checked for maintenance as per good site practice and with good planning and well located Protektor Access Panels damage to inspection areas can be reduced.

A comprehensive range of C5 coated Drywall profiles for partitions, wall lining and bespoke applications are available to suit most applications.



Ref	Description	Length (Metres)	Qty/Pack
58130	C5 - C Ceiling Profile 60 mm x 0.6 mm	4.0	12
58148	C5 - U Perimeter Profile	3.0	16
C5-THG005	C5 - Top Hat Profile 10 mm x 15 mm x 80 mm	3.0	10
59019	C5 UA50 Profile	4.0	6
58121	C3 - C5 Direct Fix Hanger 125 mm	0.125	100
58159	C3 - C5 Direct Fix Hanger 200 mm	0.2	100
58108	C3 - C5 CD Nonius Hanger		100
58107	C3 - C5 Adjusting Clamps		100
58128	C3 - C5 Click Fix Profile Clip		100
58310	C3 - C5 CD Direct Fix Adjustable Hanger		100
58106	C3 - C5 Hanger 190 mm	0.19	100
58103	C3 - C5 Profile Connector		100
58104	C3 - C5 Cross Connector		100
58105	C3 - C5 Safety Cross Connector		100
58304	C3 - C5 Quick Cross Connector for use with UA 50 profile		100
58236	C5 Jack point Pan Head screw 13 mm x 4.2 mm	1000	1000
58239	C5 Pan Head screw 13 mm x 4.2 mm	1000	1000
58233	C5 6.3 mm x 19 mm Self Drilling Screw (> 6.0 mm)	500	500
58221	C5 6 mm x 44 mm Ceiling Dowel with Nail Head	100	100
58150	C3 - C5 Spray Paint - Black	400 ml	1



C3 - C5 ADJUSTING STRIP FOR NONIUS HANGERS

Ref	Length (m)	Qty/Pk	Ref	Length (m)	Qty/Pk
58109	0.1	100	58123	1.2	50
58110	0.2	100	58124	1.4	50
58111	0.3	100	58119	1.7	50
58112	0.4	100	58125	2.0	50
58113	0.5	100	58126	2.5	50
58114	0.6	100			
58115	0.7	100			
58116	0.8	100			
58117	0.9	100			
58118	1.0	100			

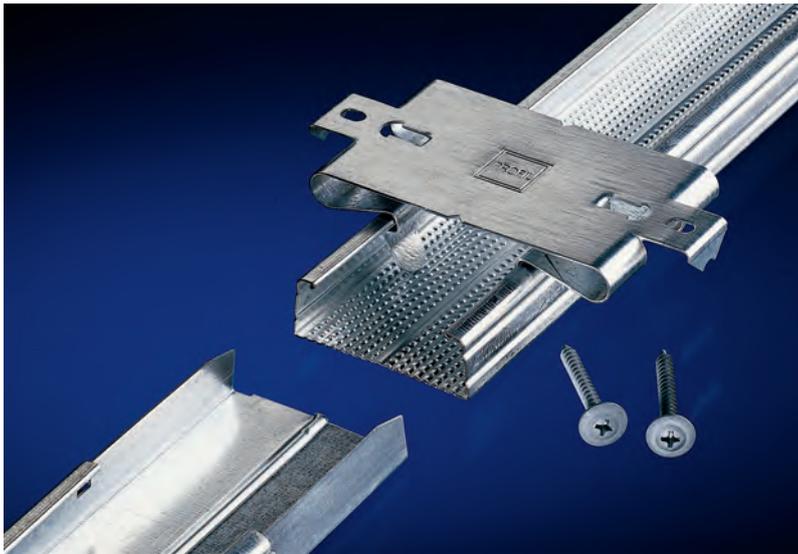
PROTEKTOR C5 COATED PROFILES FOR WALLS AND SOFFITS

ISO 12944 Classification
C5

Typical Environments
Industrial areas with High Humidity and aggressive atmospheres

Protektor Grid Solutions
PD310

PROTEKTOR TPS 25 PROFILES & ACCESSORIES



The Protektor TPS 25 ceiling system is designed to enhance acoustic values and improve impact sound absorption. It is especially suited to timber joist ceiling constructions in houses, in timber frame constructions and refurbishment of old buildings.

The low construction height of 25mm, which corresponds to conventional timber batten fixing for cladding, does not require any change in design to utilise the system to replace timber battens.

The extra load capacity of the system enables the contractor to fix multi layers of board safely and also construct a secondary ceiling to accept extra services or down lighters. The system has been tested and accepted as a Robust Standard ceiling detail.

A 50 - 125mm void can be created by suspending profile 5109 from clip ref 6166. Profile 6166 must be fixed through the plasterboard to the main profile 5104 with a 55mm screw fixing, avoiding the main TPS Spring Clip - Ref. 6126.

Please Note: The TPS 25 System will allow access for cables, pipes, ventilation ducting and lighting up to a maximum weight of 50 kgs per square metre.

Any requirements in excess of this weight should be referred to the Protektor technical team.

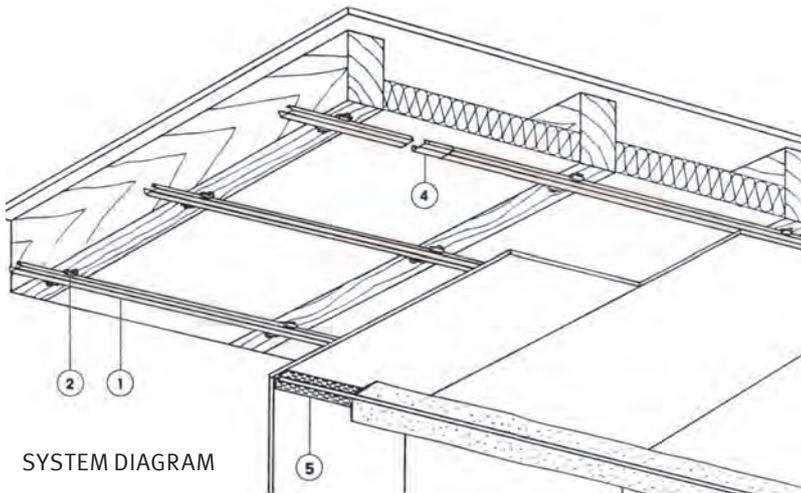
FIXING INSTRUCTIONS

The TPS Spring Clip (Ref. 6126) is screwed with 2 timber screws (FN 4.2 x 38mm) on each side of the brackets to each timber joist at 400mm centres. (Screws are supplied with the clips). The centre of the clips should be marked out on each joist either by chalk line or laser.

TPS-25

Ref	Description	Size mm	Length (Metres)	Qty/ Pack
5104	TPS - CD Profile	0.6mm	3.0	12
5312	U Perimeter profile	0.56mm	3.0	12
3750	PVCu Movement joint		75	1
6126	TPS Acoustic bracket			100
6127	TPS Profile connector			100
6205	25mm Trumpet head drywall screw	TN 3.5mm x 25mm		1000
6206	35mm Trumpet head drywall screw	TN 3.5mm x 35mm		1000
6242	38mm Pan head timber screw	FN 4.2mm x 35mm		200





- ↳ TPS CD-profile No. 5104
- ↳ TPS spring clip No. 6126
- ↳ Fixing FN 4.2 X 35mm No. 6242
- ↳ TPS CD compound No. 6127
- ↳ PVC movement profile No. 3750

The joists should be no greater than 700mm apart and the TPS - CD Profiles should be fixed to the joist line. The profiles are then connected to the clip by “offering up” the channel and applying pressure. The CD Profile will lock in to the Spring Clip.

At this point, ensure that the frame is level and flush with a laser or spirit level. Adjustments can be carried out by adjusting the fixing screws which hold the Spring Clip to the joist. Once level, bend the security tags on the clip over the head of the screws to prevent failure should excessive loads be applied to the fixing frame.

The Perimeter Channel ref 5312, which supports both the board and CD Profile, should be fitted as shown in the Diagram. Lay the boards at 90° to the CD Profile and fix using the board manufacturer’s screws at the recommended centres. The boards should be offset, so that joints are staggered. Cross joints reduce the strength of the system and should be avoided where possible.

At the ceiling/wall joint we strongly advise the use of movement joint Profile 3750. This should eliminate hairline cracking.

ADJUSTMENT

Bend both vertical tabs on the TPS spring clips against the screw heads with a hammer. The screws can then be adjusted by moving the TPS spring clip down. The maximum adjustment range for wood screws (4.2 x 35mm) is ≤ 5mm. Larger adjustments require prior installation of timber packer or beam leveling angles (No. 5569). It is recommended that the TPS-clip is made secure after adjustment.

GENERAL INFORMATION

When installing to the inside of a roof or an inclined ceiling on wooden joists, consideration must be given to allow for the following unequal and non uniformed loads which can often lead to movement or twist on timber structures:

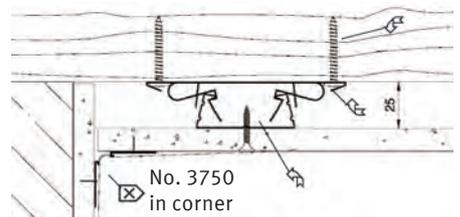
- Snow Load
- Furnishings
- Floor structure and ability to support ceiling structure
- Suction or pressure stress
- Pedestrian traffic

Movement in the timber construction can cause the metal parts of the substructure to rub together which subsequently can create a reduction in performance and potentially creating a squeak. The cross bracing of timber joists and engineered beams and the use of our profile PP15 fixed equally at 1/3rd intervals across the room at 90° to the joists should assist in providing lateral support. The profile should be fixed at each joist and is shallow enough not to interfere with the TPS ceiling profiles and brackets.

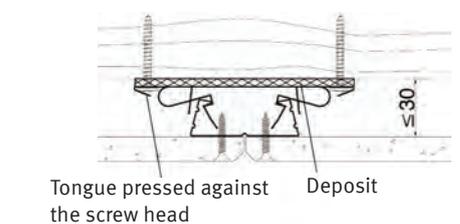
The refurbishment of existing ceilings often require the existing ceiling construction to be opened and inspected to ensure the correct installation can be made, but also to inspect and ensure that the existing structure can accommodate the additional ceiling lining. This is the responsibility of the contractor. No liability can be held by Protektor to ensure that the primary structure is suitable to support the TPS25 and corresponding linings.

For any additional information please contact the Protektor UK Technical Services Department.

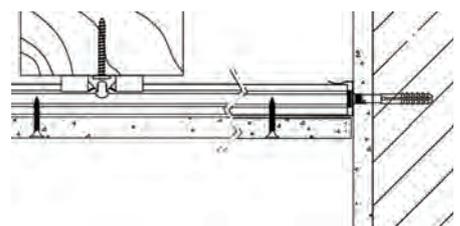
DIRECT MOUNTING



ADJUSTED ASSEMBLY



WALL CONNECTION WITH U-PROFILE



PROTEKTOR PLASTERBOARD FACED NON FIRE RATED ACCESS PANELS



Protektor Access Panels provide very low cost plasterboard faced protected openings in ceilings and walls for access to building engineering services where space is at a premium. This panel produces a lightweight, robust solution that can be used in all types of wall or ceiling construction. Outwardly the door face can be skimmed or tape and jointed for a minimalist aesthetic. The locking mechanisms are two spring loaded latches that open and close by applying pressure to the latch side of the door.

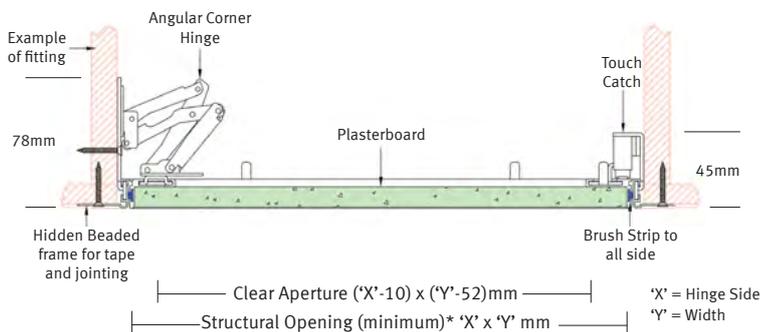
This panel has a beaded frame type (SBF) with perforated flange to key into the surrounding membrane. This is used where the surface has yet to be skimmed or tape and jointed.

Around the edges of the door itself you will find draught reducing brushes that close the gap between door and frame when in the closed position to reduce air leakage.

Although a relatively inexpensive product it is packed with features and has real quality - we think this is the best plasterboard faced panel on the market today for giving a low priced, simple access point in a plasterboard construction.



TECHNICAL AND FITTING DETAILS



Beaded Frame Ref No.	Picture Frame Ref No.	Size
54350	n/a	300mm x 300mm
54351	n/a	450mm x 450mm
54352	n/a	600mm x 600mm

Door Tray & Frame: Formed from 1.0mm and 1.2mm Zintec electrogalvanised mild steel with a 25mm wide perforated frame finished in polyester powder coat white RAL 9010 20% Glodd.

Hinge & Lock Mechanism: Factory fitted pin hinge. Push catch operated lock.

Availability: Standard stock sizes available 24 - 48 hours with Bespoke panels available on request

Fitting Preparation: Prepare a clear trimmed and protected opening in the structure 15mm larger than the ordered panel. Contact us for details.

Fitting: Screw fix using suitable screws through the pre-punched holes to all four sides of the frame. Use all fixing holes provided and the frame flange fixing holes. Finish the beaded frame in the same way as any plaster stop bead.

Make the plaster finish on the door face as neat as possible. Complete operation with door in frame where possible.

OPERATION & MAINTENANCE

Operation: Simply push the door face to operate the touch catch lock system.

Maintenance: Avoid abrasive cleaning materials. Annually or more frequently if used very regularly check the operation, especially the hinge points. Tighten or oil as required.

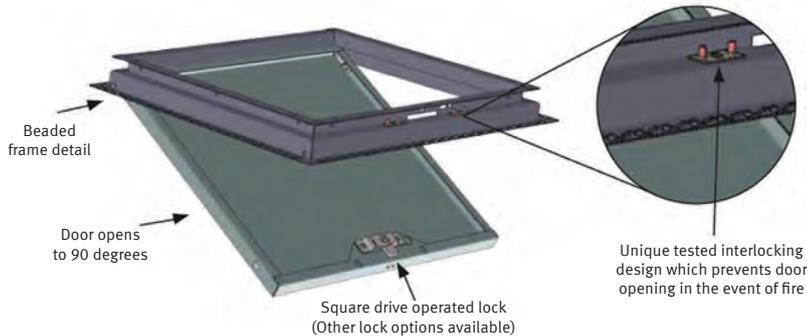
PROTEKTOR FIRE RATED F60 ACCESS PANELS



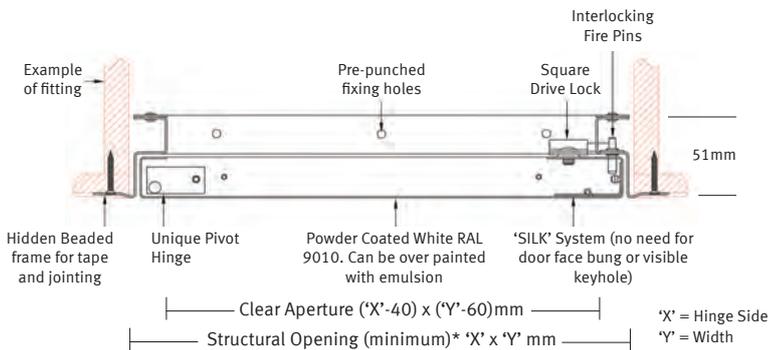
Fire Rated Access Panels provide fire rated protected openings in ceilings and walls for access to building engineering services. Available fire rated up to 2 hours, the doors are finished in powder coated white and can be over painted to blend with the surrounding surface.

The larger panels have full length piano hinges with the smaller panels using unique pivot hinges. The Fire Rated Access Panel is a high quality robust solution suitable for everyday use and fitted with the 'SLIK' invisible keyhole giving your client all the discrete advantages possible with an access panel.

There are two frame options for the Fire Rated Range. A beaded frame type (SBF) with perforated flange to key into the surrounding membrane. This is used where the surface has yet to be skimmed or tape and jointed. Or the picture frame, (PF), where the solid flange sits on the surface of the wall or ceiling. This covers the cut edge of the aperture and is used when the surface has already been finished and decorated. The fire rating does not affect the appearance of the panel, and the unique design enables panels to be fire rated, without using heavyweight layers of plasterboard, which can effect operation.



TECHNICAL AND FITTING DETAILS



Beaded Frame Ref No.	Picture Frame Ref No.	Size
54353	54380	150mm x 150mm
54354	54381	200mm x 200mm
54355	54382	300mm x 300mm
54356	54383	450mm x 450mm
54357	54384	550mm x 550mm
54358	54385	600mm x 300mm
54359	54386	600mm x 600mm

Door Tray & Frame: Formed from 1.0mm and 1.2mm Zintec electrogalvanised mild steel with a 25mm wide frame either perforated or solid finished in polyester powder coat white RAL 9010 20% Gloss.

Hinge & Lock Mechanism: Factory fitted removable pivot hinge with inserted steel pins located into holes in the frame or continuous piano hinge to larger panels. Square drive operated lock riveted to the return fold of the door tray with tongue locating into a slot in the frame. Keyhole concealed by the patented SLIK invisible keyhole system. Euro Cylinder and three point lock option also available.

Availability: Standard stock sizes available 24 - 48 hours with Bespoke panels available on request.

Fire Rating: Available with up to 1 hour or 2 hours fire rating. Fire testing undertaken independently by BM TRADA meeting both EN and BS standards in UKAS approved test laboratories. Certification available upon request.

Air Tightness: Thermally insulated and air-sealed options available, complying to building regulations parts L1 and L2, BS EN 12207:2000 BS EN 1026:2000.

Acoustic Rating: Available to a maximum reduction of 63 dB Rw. Testing carried out under laboratory conditions to BS EN ISO140-3:1995 by an independent test center. More information available on request.

Fitting Preparation: Prepare a clear trimmed and protected opening in the structure 10mm larger than the ordered panel.

When applicable create cutouts for pivot hinges approx 10mm x 6mm so pivot operation is clear.

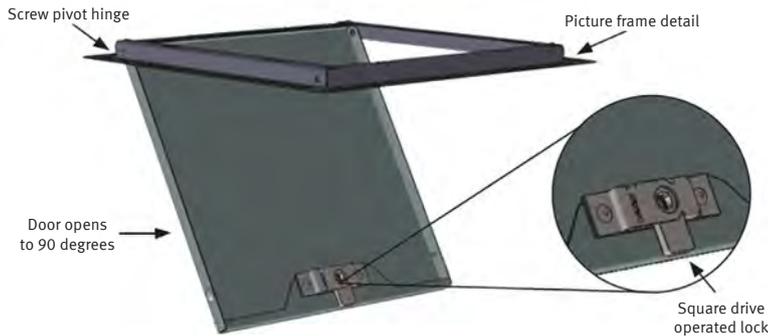
Fitting: Screw fix using suitable screws through the pre-punched holes to all four sides of the frame. Use all fixing holes provided and the flange fixing holes in the SBF frame type. Finish the beaded frame in the same way as any plaster stop bead. Complete the operation with door in frame where possible. To remove the door from the frame remove the pivot hinge plate with a cross head screwdriver or unbolt the piano hinge. When refitting and after any installation ensure the pivot hinge plates are fully located and flat to the inside edge of the door tray, that the piano hinge nuts are tight and if fitted, the retaining chains are in place.

OPERATION & MAINTENANCE

Operation: Using the "T" key supplied push the SLIK invisible keyhole system aside, engage the key into the lock then open and close while supporting the door. The SLIK system replaces itself automatically to conceal the keyhole.

Maintenance: Avoid abrasive cleaning materials. Annually or more frequently if used very regularly check the operation, especially the hinge points and lock. Tighten or oil as required.

PROTEKTOR METAL FACED NON FIRE RATED ACCESS PANEL



Value Range Access Panels provide very low cost metal faced protected openings in ceilings and walls for access to building engineering services where space is at a premium.

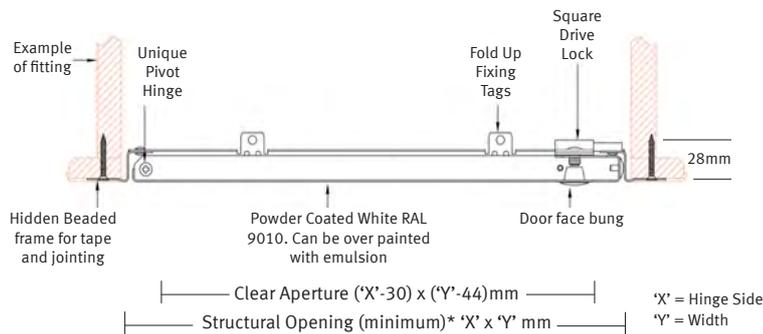
The narrow 18mm profile produces a lightweight, robust solution that can be used in all types of wall or ceiling construction.

Outwardly the panels resemble the Contract and Premium ranges and consist of a pivoting door tray and frame with square drive operated lock finished in powder coated white which can be over painted on site with emulsion to blend with the surrounding surface.

There are two frame options for this Range.

A beaded frame type (SBF) with perforated flange to key into the surrounding membrane. This is used where the surface has yet to be skimmed or tape and jointed. Or the picture frame, (PF), where the solid flange sits on the surface of the wall or ceiling. This covers the cut edge of the aperture and is used when the surface has already been finished and decorated.

TECHNICAL AND FITTING DETAILS



Beaded Frame Ref No.	Picture Frame Ref No.	Size
54353	54380	150mm x 150mm
54354	54381	200mm x 200mm
54355	54382	300mm x 300mm
54356	54383	450mm x 450mm
54357	54384	550mm x 550mm
54358	54385	600mm x 300mm
54359	54386	600mm x 600mm

Door Tray & Frame: Formed from 1.0mm Zintec electro-galvanised mild steel with a 25mm wide frame either perforated or solid finished in polyester powder coat white RAL 9010 20% Gloss.

Hinge & Lock Mechanism: Factory fitted removable pivot screws located into holes in the frame. Square drive operated lock riveted to the return fold of the door tray with tongue locating over the edge of the frame when closed. Keyhole concealed by white plastic cap.

Fire Rating: Not available at time of printing. Other panels available, please see the Premium Range panels.

Availability: Standard stock sizes available 24 - 48 hours with Bespoke panels available on request.

Air Tightness: Not available at time of printing. Thermally insulated and air-sealed ranges available, complying to building regulations parts L1 and L2, BS EN 12207:2000 BS EN 1026:2000. See Premium Range Access Panel and Loft hatches.

Acoustic Rating: Not available at time of printing. Other panels available to a maximum reduction of 63 dB Rw. Testing carried out under laboratory conditions to BS EN ISO140-3: 1995 by an independent test center. See Premium Range Acoustic Access Panels.

Fitting Preparation: Prepare an opening 10mm larger than the ordered panel.

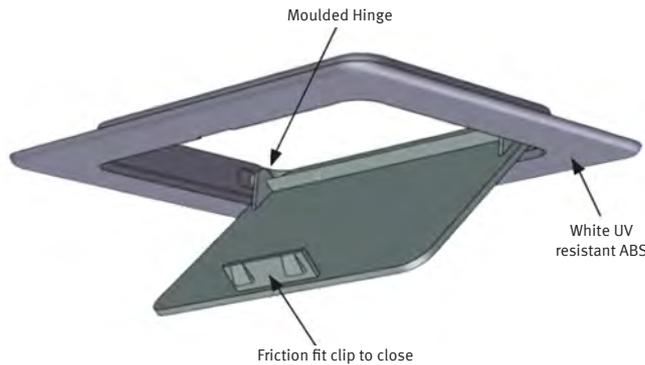
Fitting: Twist up and screw fix using suitable screws through the pre-punched fixing tabs to all four sides of the frame. Use all the available tabs and the flange fixing holes in the SBF frame type. Finish the beaded frame in the same way as any plaster stop bead. Complete the operation with door in frame where possible. To remove the door from the frame unscrew the pivot screws with a cross head screwdriver. When refitting ensure the pivot screws are fully located into the captive nuts fixed to the frame and that if fitted the retaining chains are in place.

OPERATION & MAINTENANCE

Operation: Using the "T" key supplied, remove the white plug and engage the key into the lock. Support the door whilst opening and closing. Replace the white cap after use.

Maintenance: Avoid abrasive cleaning materials. Annually or more frequently if used very regularly check the operation, especially the hinge points and lock. Tighten or oil as required.

PROTEKTOR NON FIRE RATED PLASTIC ACCESS PANELS



Plastic Access Panels provide a high quality low cost solution for access to building services in ceilings and walls. Primarily used in domestic situations for access to rodding eyes and stop cocks the panels are very simple to fit.

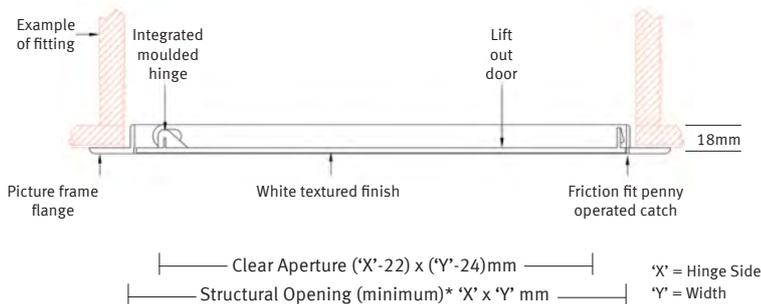
The narrow 17.5mm profile produces a lightweight solution that can be used in all types of wall or ceiling construction.

The panels are manufactured in the UK from UV stabilized ABS with a lightly textured surface that will not discolour and can be over painted.

Fitting using proprietary building adhesives or screws, the hinged removable door snaps in to place and has a positive quality action. Open with a screwdriver or coin in the visible slot opposite the hinge edge or use the key where the optional key lock has been specified.

Use as a repair panel to cover a hole in the back of a kitchen cupboard for access to a stop tap or as a visible designed detail to a rodding eye. The panel finishes an access point professionally and economically.

TECHNICAL AND FITTING DETAILS



Beaded Frame Ref No.	Picture Frame Ref No.	Size
n/a	54420	110mm x 160mm
n/a	54421	150mm x 150mm
n/a	54422	150mm x 230mm
n/a	54423	200mm x 200mm
n/a	54424	300mm x 300mm

Door Tray & Frame: Moulded from UV stabilised ABS plastic with a 25mm wide picture frame to cover the cut edge of the aperture. Colour approximates to matt white RAL 9010 20% Gloss.

Hinge & Lock Mechanism: Moulded clip shut friction lock with integral pivot hinge locating into grooves in the frame.

Fire Rating: Not available to this range.

Availability: Standard stock sizes available 24 - 48 hours.

Air Tightness: Not available at time of printing. Thermally insulated and air-sealed ranges available, complying to building regulations parts L1 and L2, BS EN 12207:2000 BS EN 1026:2000. See Premium Range Access Panel and Loft hatches.

Acoustic Rating: Not available at the moment. Other panels available to a maximum reduction of 63 dB Rw. Testing carried out under laboratory conditions to BS EN ISO140-3: 1995 by an independent test center. See Premium Range Acoustic Access Panels.

Fitting Preparation: Prepare a clear trimmed and protected opening in the structure 5mm larger than the ordered panel.

Fitting: Use proprietary silicone or No Nails type adhesive to fix the panel in place. For ceiling applications it is recommended to drill through the internal frame section to achieve a mechanical fixing.

OPERATION & MAINTENANCE

Operation: Use a coin or flat head screwdriver in the slot provided to prise open the door.

Maintenance: Avoid abrasive cleaning materials. Annually or more frequently if used very regularly check the operation.

PROTEKTOR M & E SUPPORT CHANNEL



Protektor Pre Galvanised steel channel profiles manufactured to provide support systems for mechanical, electrical and plumbing installations.

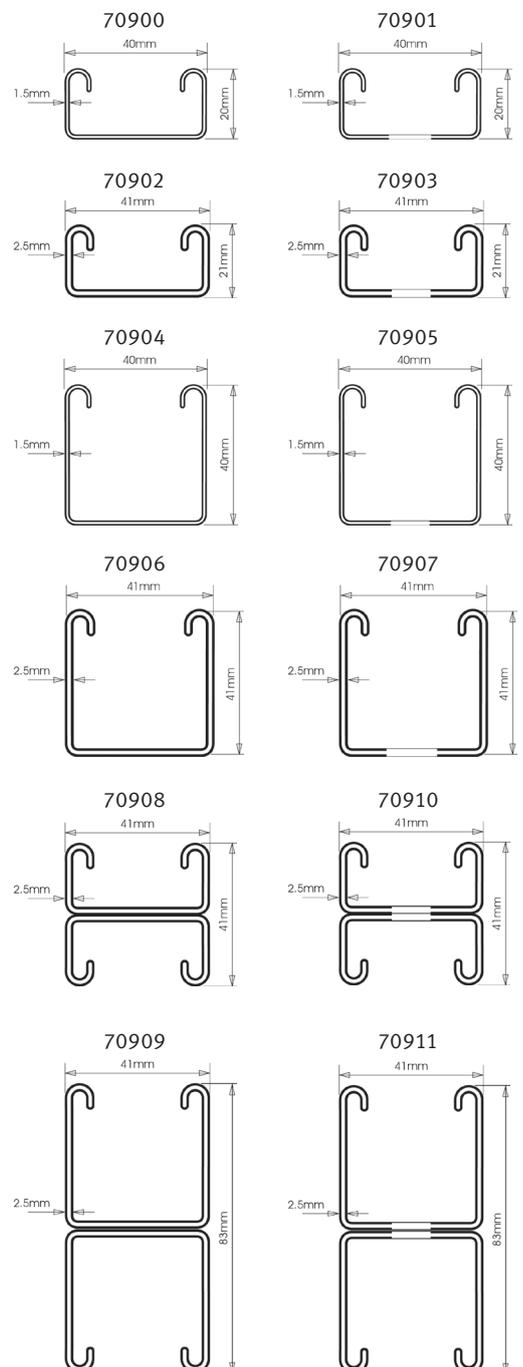
Profiles can be attached to existing steelwork or concrete inserts, or directly to walls, ceilings & floors using threaded rod and anchors etc.

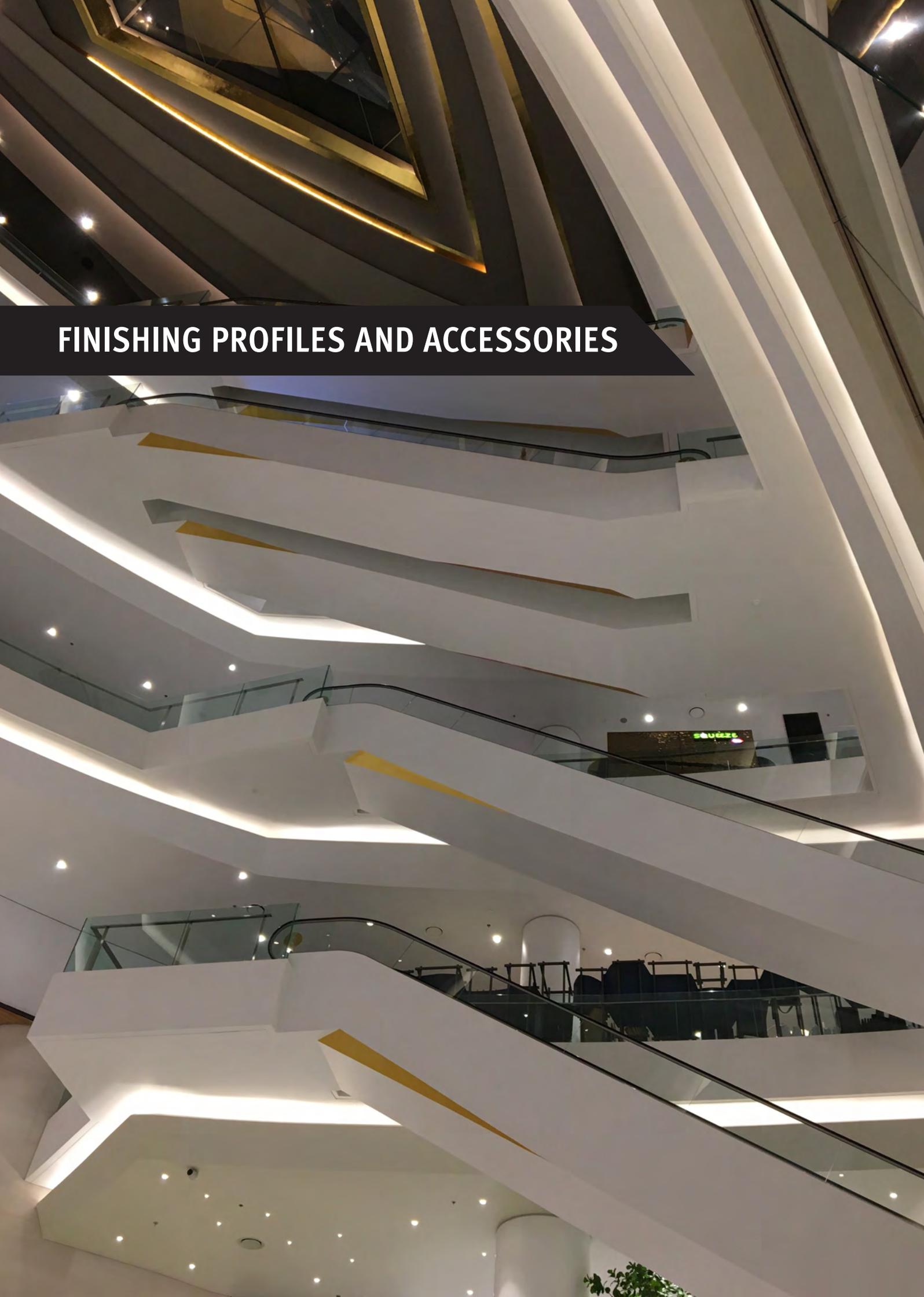
Available in 1.5mm and 2.5mm thickness pre-galvanised or post dipped galvanised steel, and in either plain or slotted formats.

* - denotes Post Galvanised finish

SUPPORT CHANNEL PROFILE TYPES

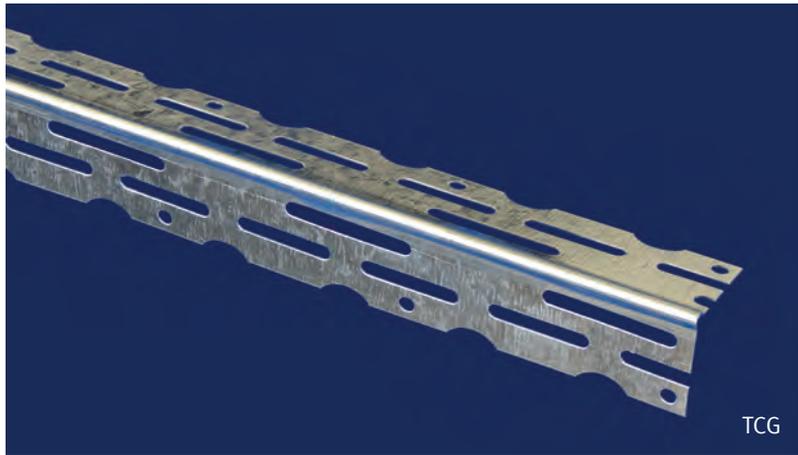
Ref	Description	Length (Metres)		Qty/Pack
		3.0	6.0	
70900	40mm x 20mm x 1.5mm Plain	•	•	50
70901	40mm x 20mm x 1.5mm Slotted	•	•	50
70902	41mm x 21mm x 2.5mm Plain	•	•	50
70903	40mm x 20mm x 2.5mm Slotted	•	•	50
70904	40mm x 40mm x 1.5mm Plain	•	•	50
70905	40mm x 40mm x 1.5mm Slotted	•	•	50
70906	41mm x 41mm x 2.5mm Plain	•	•	50
70907	41mm x 41mm x 2.5mm Slotted	•	•	50
70908	* 41mm x 21mm x 2.5mm Plain Back to Back	•	•	50
70909	* 41mm x 41mm x 2.5mm Plain Back to Back	•	•	50
70910	* 41mm x 21mm x 2.5mm Slotted Back to Back	•	•	50
70911	* 41mm x 41mm x 2.5mm Slotted Back to Back	•	•	50



A photograph of a modern, multi-level atrium. The architecture features white, angular, cantilevered balconies and walkways. Integrated lighting is visible within the overhangs and under the balconies, creating a warm, ambient glow. The ceiling is dark with recessed spotlights. A large, white, cylindrical column is visible in the lower right. In the background, a glass railing and a sign with the word "SUITE" in green letters are visible. The overall design is clean, minimalist, and contemporary.

FINISHING PROFILES AND ACCESSORIES

PROTEKTOR THIN COAT & DRY WALL CORNER BEAD



The Protektor range of beads provide protection to the edges of the finish, reducing the possibility of damage to the plasterboard.

Where corners require an obtuse angle of 135 degrees, profile LCG135 can be used.

The profile is preset at this angle and designed to speed up installation and protect corners usually exposed to high traffic areas.

The Mini Mesh range of beads are designed for use when plastering slab, block work or rough surfaces, which need a thin coat finish.

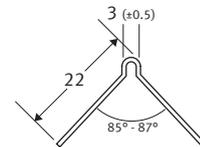
THIN COAT AND MINI MESH BEAD Galvanised Steel

Ref	Description	Length (Metres)		Qty/Pack
		2.4	3.0	
TCG	22mm Thin Coat Bead	•	•	50
LCG	25mm Thin Coat Bead	•	•	50
LCG135	135° Thin Coat Bead	•	•	10
LCG(30)	30mm Thin Coat Bead	•	•	25
MMG	28mm Mini Mesh Bead	•	•	50
LMG	32mm Mini Mesh Bead	•	•	25

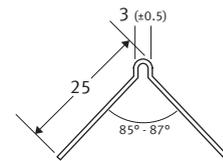
THIN COAT BEAD Stainless Steel

Ref	Description	Length (Metres)	Qty/Pack
		2.5	
2274	25mm Thin Coat Bead	•	25

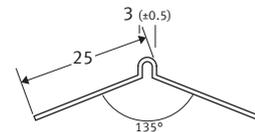
TCG 22mm Long Wing Thin Coat Bead



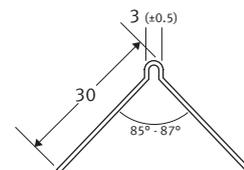
LCG 25mm Long Wing Thin Coat Bead



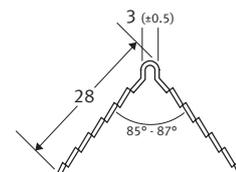
LCG135 25mm Wing 135° Angle Thin Coat Bead



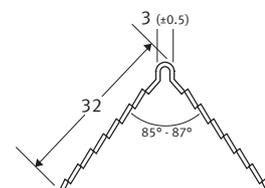
LCG(30) 30mm Thin Coat Bead



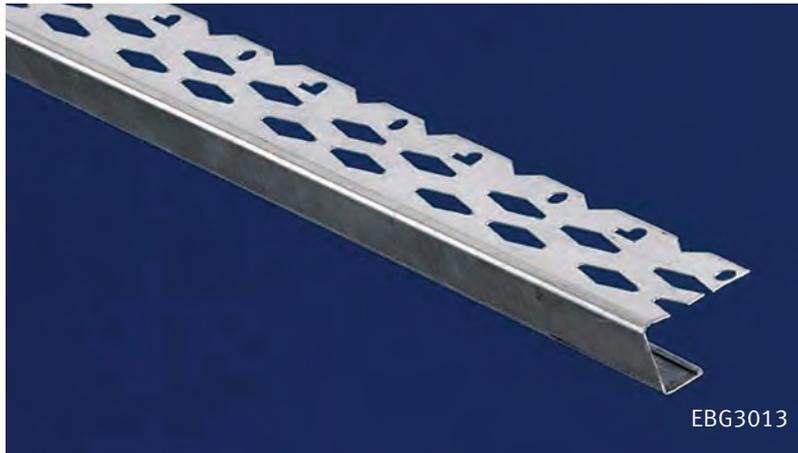
MMG 28mm Mini Mesh Bead



LMG 32mm Mini Mesh Bead



PROTEKTOR EDGE BEAD & THIN COAT STOP BEAD



EBG3013

The Protektor range of Stop and Edge Beads are designed to reinforce the edges of plasterboard.

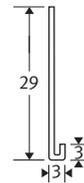
The edges of the perforated face must be fixed flush to the face of the board prior to finishing.

The edge bead profile is fixed to the board whilst in the process of installation, and provides edge protection at ceiling heads or window reveals.

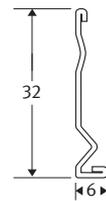
EDGE BEAD AND THIN COAT BEAD Galvanised Steel

Ref	Description	Length (Metres)		Qty/Pack
		2.4	3.0	
SBG3	3mm Stop Bead	•	•	50
SBG6	6mm Stop Bead		•	50
1234	12.5mm Edge Bead		•	25
EBG3010	9.5mm Edge Bead		•	50
EBG3013	12.5mm Edge Bead		•	50
EBG3015	15mm Edge Bead		•	50

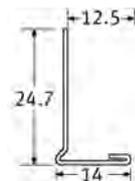
SBG3 3mm Stop Bead



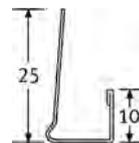
SBG6 6mm Stop Bead



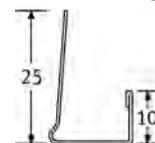
1234 10mm Stop Bead



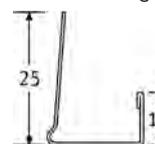
EBG3010 9.5mm Edging Bead



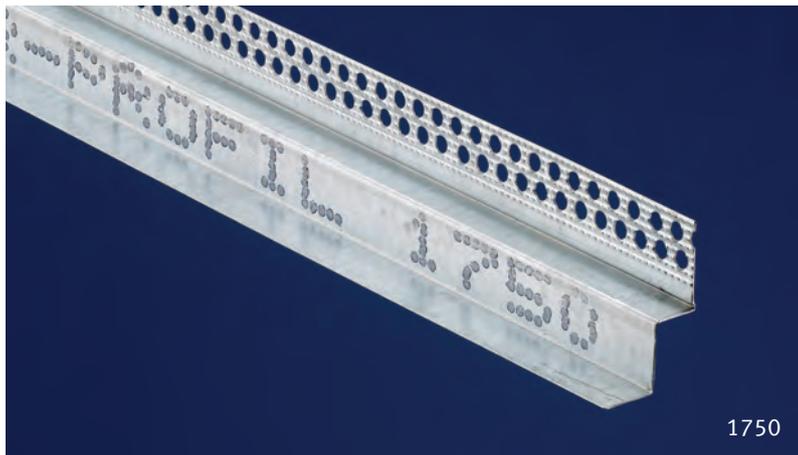
EBG3013 12.5mm Edging Bead



EBG3015 15mm Edging Bead



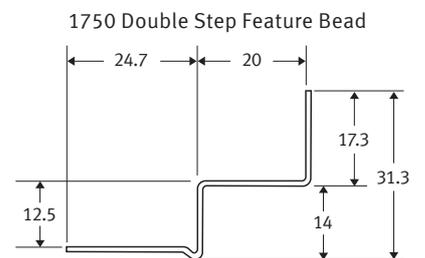
PROTEKTOR DRY WALL FEATURE BEAD



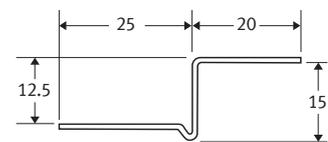
The Protektor range of Feature Beads are designed to act as a finishing profile whilst creating a shadow-like recess around door frames, ceilings and varying wall finishes. The profiles provide protection to edges of the plasterboard whilst providing a straight edge for ruling off, hence speeding up the installation process dramatically.

DRY WALL FEATURE BEAD Galvanised Steel

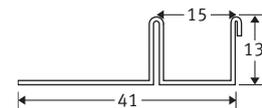
Ref	Description	Length (Metres)	Plasterboard Thickness (mm)	Qty/Pack
1750	Double Step Feature Bead	3.0	12.5	25
FBG13	Feature Bead with 20mm gap		12.5	50
1311	Feature Bead with 15mm return		12.5	15
1314	Feature Bead with 10mm gap		12.5	15
1304	Feature Bead with 10mm gap		15	15
1377	Feature Bead with 5mm gap		15	15



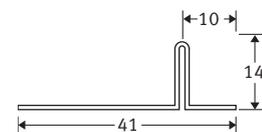
FBG13 Feature Bead with 20mm Gap



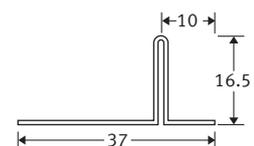
1311 Feature Bead with 15mm Return



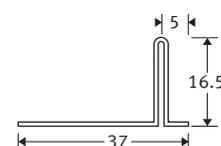
1314 Feature Bead with 10mm Gap



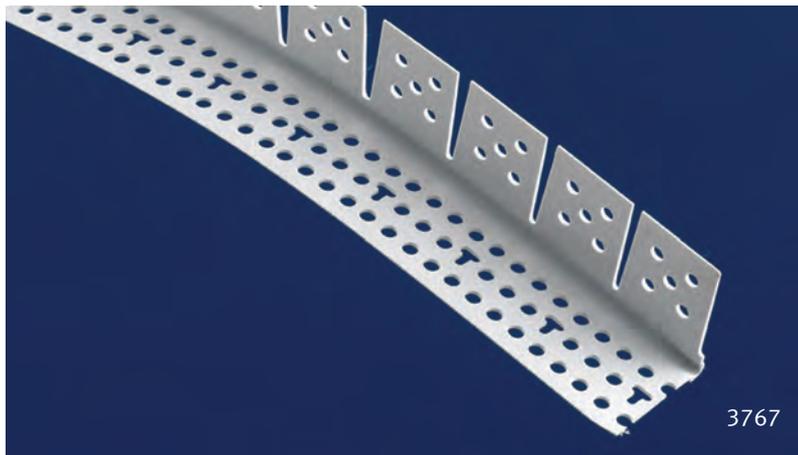
1304 Feature Bead with 10mm Gap



1377 Feature Bead with 5mm Gap



PROTEKTOR PVC DRY WALL CORNER & ARCH BEAD



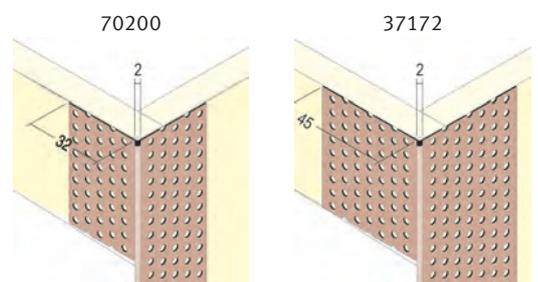
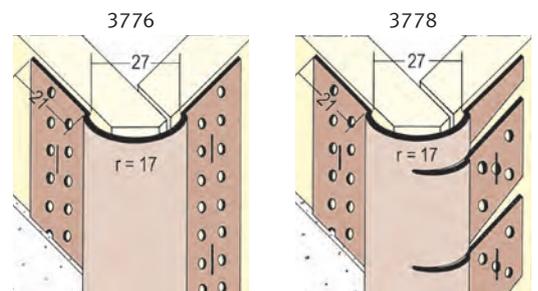
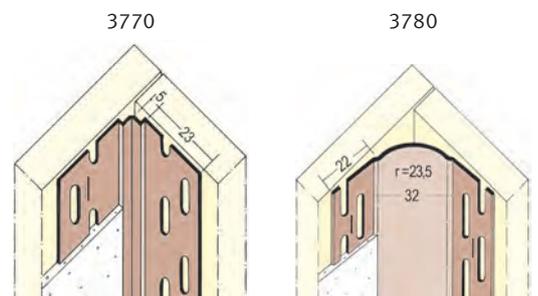
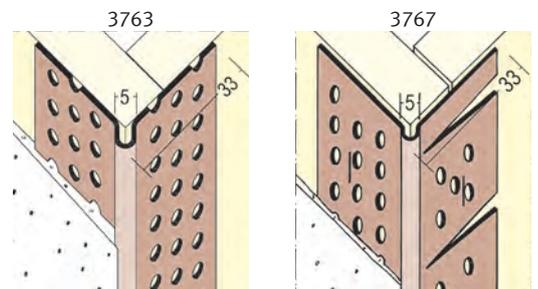
Protektor PVC Drywall finishing corner bead profiles ensure a good clean corner line is created with ease.

The collection of profiles profile finishing options for most Tape and Jointers with both standard 90 degree sharp corners and a bull nose corner available.

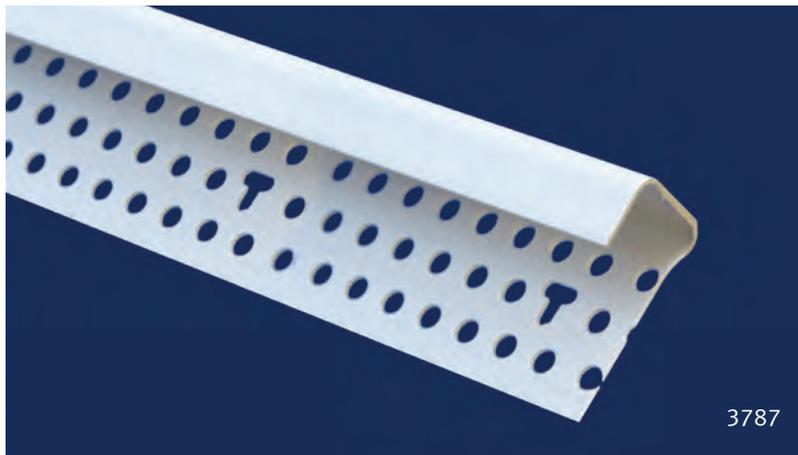
Other options are available for most design requirements and assist in creating a quality finish whilst reducing installation time.

DRY WALL CORNER AND ARCH BEAD

Ref	Description	Length (Metres)			Qty/Pack
		2.4	3.0	3.05	
70200	Slim Line Standard Corner Bead	•	•		50
70300	Paper Faced PVC Corner Bead Profile	•	•		50
37172	45mm Wing Slim Line Corner Bead			•	45
3763	32mm Wing Dry Wall Corner Bead			•	50
3767	32mm Wing Arch Bead			•	20
3770	Internal Corner Bead			•	70
3780	17mm Radius Bull Nose Corner Bead			•	35
3776	17mm Radius Bull Nose Arch Bead			•	35
3778	17mm Radius Bull Nose Internal Corner Bead			•	35
70350	10mm Radius Bull Nose Corner Bead			•	35
70351	10mm Radius Bull Nose Arch Bead			•	35



PROTEKTOR PVC DRY WALL EDGE & FEATURE BEAD

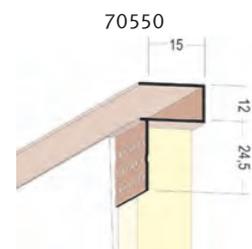
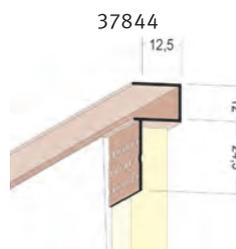
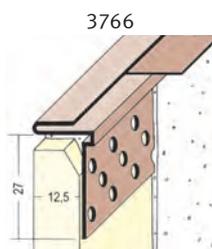
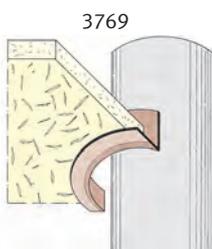
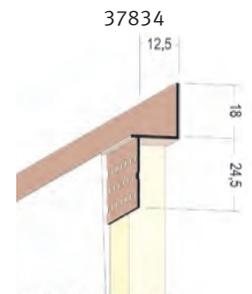
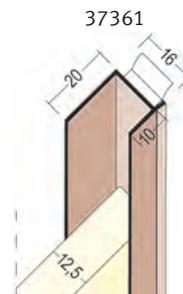
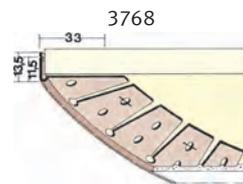
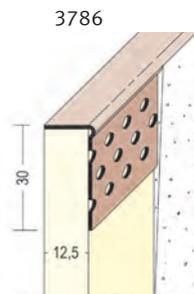
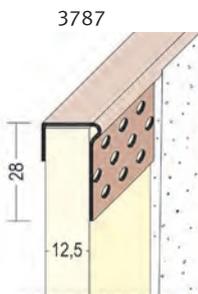
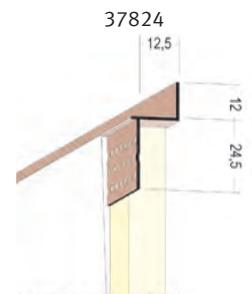
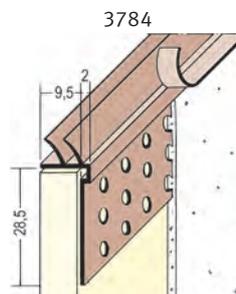
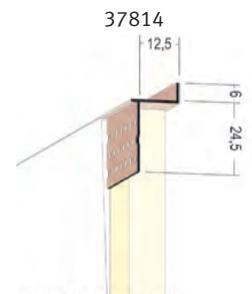
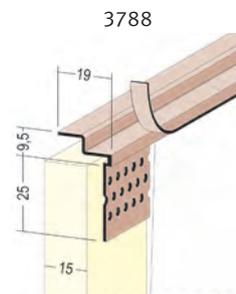


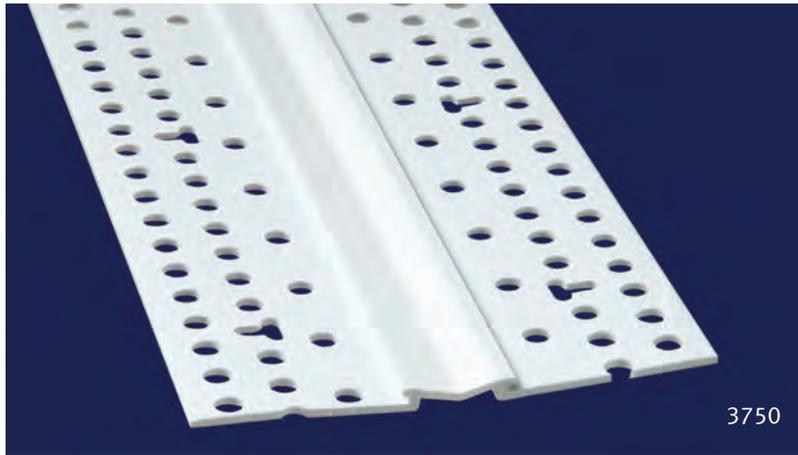
Protektor PVC Drywall finishing Edge bead ensure a good clean perimeter line is created with ease.

Whether creating a feature or simply looking to protect the finishing line surface the range provides an exclusive range of solutions for most tape and jointers, profile finishing options for most Tape and Jointing applications.

DRY WALL EDGE AND FEATURE BEAD

Ref	Description	Length (Metres)			Qty/Pack
		2.4	3.0	3.05	
3787	12.5mm Plasterboard Edge Bead	•	•		50
3786	Drywall Face fit Edge Bead	•	•		50
3768	Flexible Edge Bead Profile			•	20
3785	Drywall Face fit Edge Bead with Protective Edge Strip			•	50
3766	Décor Edge Bead with Replaceable Protective Strip			•	35
3788	Drywall Edge Feature bead with Protective Edge and a 4mm gap			•	40
3784	Face fit Edge Bead with Protective Edge Strip and Seal			•	30
37361	12.5mm Plasterboard Edge Bead with Seal			•	50
3769	Flexible Edge Bead Profile			•	10
37814	12.5mm Drywall Feature bead with 6mm gap			•	50
37824	12.5mm Drywall Feature bead with 12mm gap			•	50
37834	12.5mm Drywall Feature bead with 18mm gap			•	50
37844	12.5mm Drywall Feature bead with 12mm gap/return			•	25
70550	15mm Drywall Feature bead with 12mm gap/return			•	20



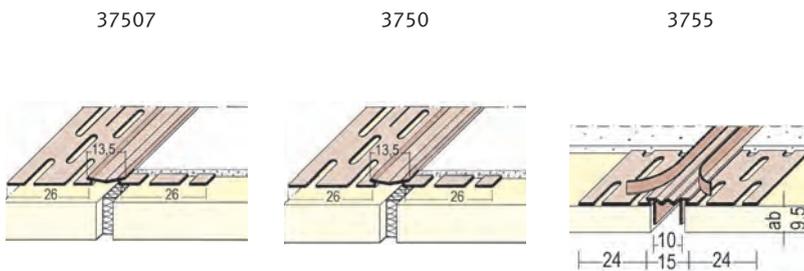
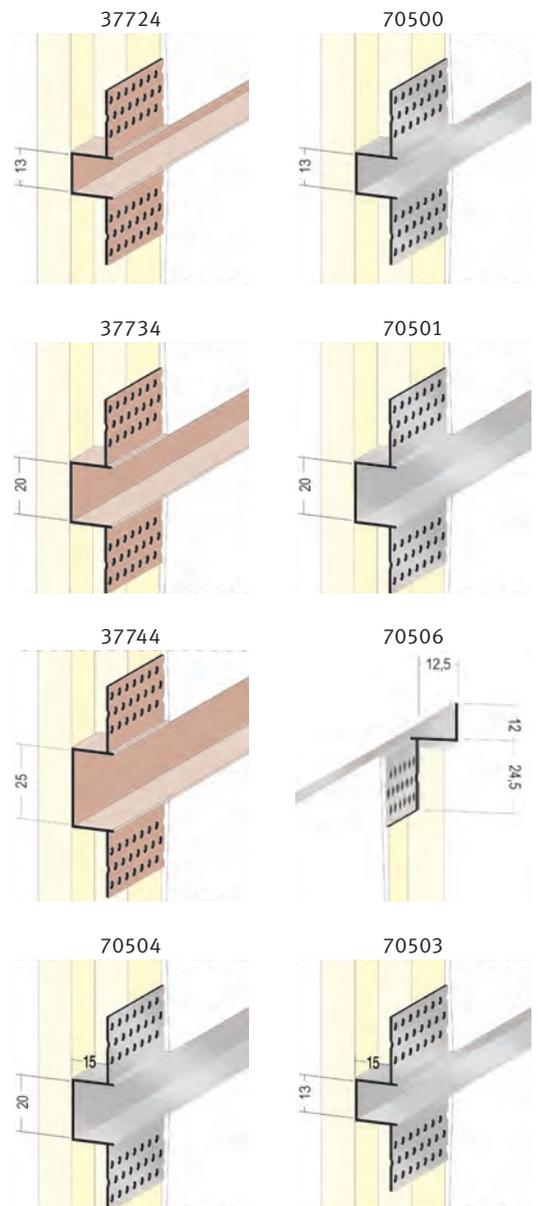


Protektor PVC Movement joint and reveal profiles provide an essential solution to finishing and detailing when installing drywall constructions. The variety of profiles offer the designer and installer a number of options when looking to finish walls with a tape and joint finish.

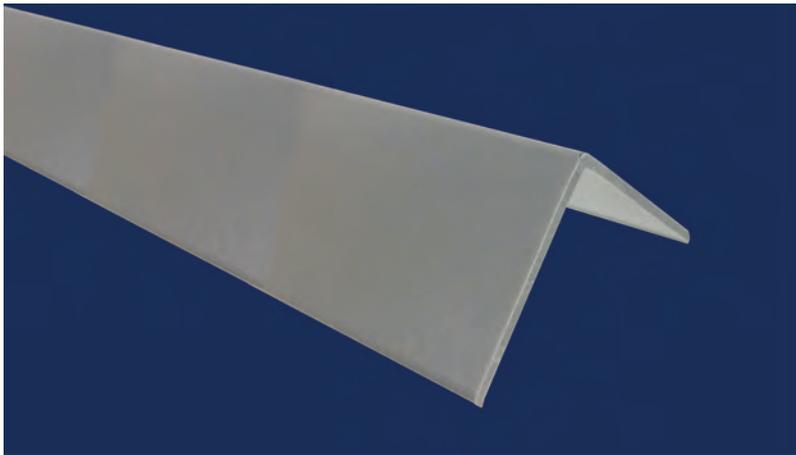
Our New Silver finished profile range brings even further design solutions forward whilst focusing on maintaining a good cost solution to otherwise timely and expensive detailing. Many other solutions are available please do not hesitate to contact our office for your specific need should it not be shown below.

DRY WALL REVEAL AND MOVEMENT JOINT PROFILES

Ref	Description	Length (Metres)			Qty/Pack
		2.44	3.0	3.05	
37507	Movement joint profile	•			50
3750	Movement joint profile roll		75		1
3755	Movement Joint profile with protective edge strips	•			25
37724	12.5mm Plasterboard Drywall Reveal Bead with 13mm gap	•			20
37734	12.5mm Plasterboard Drywall Reveal Bead with 20mm gap	•			15
37744	12.5mm Plasterboard Drywall Reveal Bead with 25mm gap	•			15
70500	NEW! Silver Finish - 12.5mm Plasterboard Drywall Reveal bead with 13mm gap	•			20
70501	NEW! Silver Finish - 12.5mm Plasterboard Drywall Reveal bead with 20mm gap	•			15
70506	NEW! Silver Finish - 12.5mm Plasterboard Drywall Feature bead with 12mm gap	•			50
70503	NEW! Silver Finish - 15mm Plasterboard Drywall Reveal bead with 13mm gap	•			15
70504	NEW! Silver Finish -15mm Plasterboard Drywall Reveal bead with 20mm gap	•			15



PROTEKTOR CORNER GUARDS



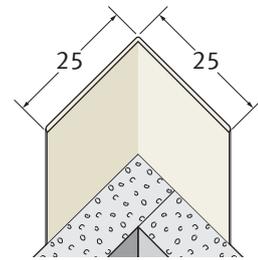
Protektor Corner Guards are easily installed over 90° finished corners and provide a high level of impact corner protection on plasterboard partitions and also retro fitted to existing constructions. Available in a variety of sizes ranging from 25mm x 25mm, 38mm x 38mm and 50mm x 50mm.

Install using adhesive caulk the profiles can blend aesthetically onto the partition wall reducing costing refurbishment work and improving the finished presentation of the construction. The range has a selection of standard colours as shown below and can simply be cut back to the desired length from stock lengths of 1.2 and 2.4.

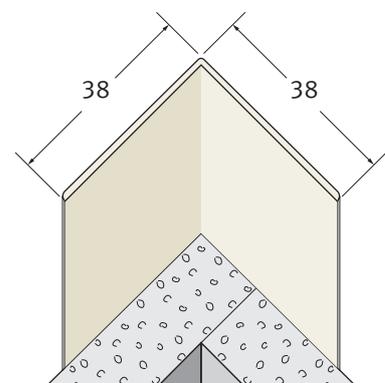
CORNER GUARDS

Ref	Description	Length (Metres)			Qty/Pack
		1.2	2.4	3.05	
70800/12	25mm x 25mm Rigid Corner Guard, White	•			25
70801/12	25mm x 25mm Rigid Corner Guard, Silver	•			25
70802/12	25mm x 25mm Rigid Corner Guard, Grey	•			25
70803/12	25mm x 25mm Rigid Corner Guard, Black	•			25
70804/12	25mm x 25mm Rigid Corner Guard, White Sand	•			25
70810/24	25mm x 25mm Rigid Corner Guard, White		•		25
70811/24	25mm x 25mm Rigid Corner Guard, Silver		•		25
70812/24	25mm x 25mm Rigid Corner Guard, Grey		•		25
70813/24	25mm x 25mm Rigid Corner Guard, Black		•		25
70814/24	25mm x 25mm Rigid Corner Guard, White Sand		•		25
70818/30	25mm x 25mm Rigid Corner Guard, White			•	25
70820/12	38mm x 38mm Rigid Corner Guard, White	•			10
70821/12	38mm x 38mm Rigid Corner Guard, Silver	•			10
70822/12	38mm x 38mm Rigid Corner Guard, Black	•			10
70830/24	38mm x 38mm Rigid Corner Guard, White		•		10
70831/24	38mm x 38mm Rigid Corner Guard, Silver		•		10
70832/24	38mm x 38mm Rigid Corner Guard, Grey		•		10

70800 - 70818



70820 - 70832



AVAILABLE COLOURS





Protektor have a variety of materials suitable for Tape and Jointing finish work from bedding tape to pre mixed joint filler suitable for hand or machine finish.

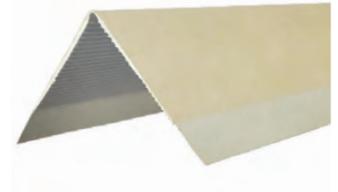
Our range of paper tapes and paper faced corner bead allows the discerning installer the opportunity to provide the best possible level of finish.

Other profiles and accessories such as Edge, Feature, Movement Bead with a extensive range of access panels compliment the range shown below and are available from stock.

PAPER FACED CORNER BEAD

Specially designed PVC Bead with paper face for excellent adhesion qualities. Grooves on inner face ensure a perfect key whilst allowing the paper face to complete the finishing process ensuring good clean lines.

Ref	Description	Length (Metres)	Qty/Pack
70300	Paper Faced PVC Corner Bead Profile	2.4 & 3.0	50



PAPER JOINT TAPE

With central groove and double perforations. Ideally suited for as a reinforcing strip for covering joints on gypsum and gypsum fibreboards.

Ref	Description	Length (Metres)	Qty/Pack
53112	50mm Paper Joint Tape	150	10



FLEXIBLE METAL CORNER TAPE

With central groove and double perforations. Ideally suited for as a reinforcing strip for covering joints on gypsum and gypsum fibreboards.

Ref	Description	Length (Metres)	Qty/Pack
53000	50mm Flexible Metal Corner Tape	30	10



FIBRE GLASS JOINT TAPE

Ideally suited for use as a reinforcing strip for covering joints on gypsum and gypsum fibreboards as well as for repairing cracks and holes.

Ref	Description	Length (Metres)	Qty/Pack
53127	50mm Self Adhesive Drywall Fibre Tape	90	24



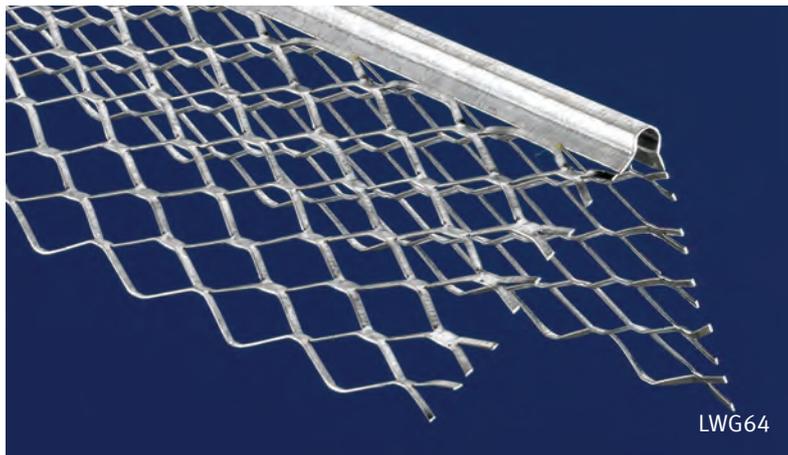
JOINT FILLER

Pre Mixed Joint filler supplied in 25 kilo tubs is a air-drying, lightweight full taping and jointing compound.

Ref	Description	Size	Qty/Pallet
1439	Pre-Mixed Joint Filler	25 Kilos	24



PROTEKTOR ANGLE BEAD

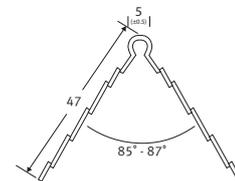


Protektor Angle Beads provide a true, straight axis that protects and reinforces plaster where it is most vulnerable. The expanded metal wings ensure that the bead is firmly embedded in the plaster.

ANGLE BEAD Galvanised Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
ABG	47mm Standard	•	•	•	50
LWG53	53mm Long Wing	•		•	50
LWG64	64mm Long Wing			•	25

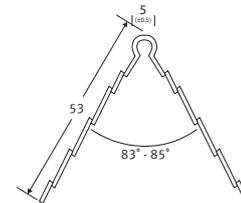
ABG / ABS 47mm Standard Angle Bead



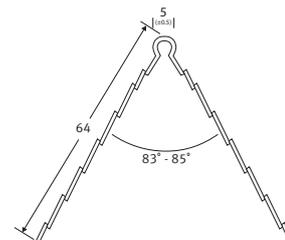
ANGLE BEAD Stainless Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
ABS	47mm Standard			•	25
LWS53	53mm Long Wing			•	25

LWG53 / LWS53 53mm Long Wing Angle Bead



LWG64 64mm Long Wing Angle Bead



PROTEKTOR STOP BEAD



Protektor's Stop Bead profile provides the ideal answer to finishing the edges of plaster/render work.

The straight edge of the profile ensures an accurate finish line whilst protecting the plaster where it is most vulnerable.

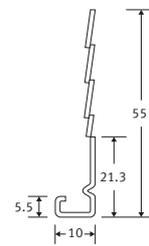
STOP BEAD Galvanised Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
SBG10	10mm Stop Bead	•	•	•	50
SBG13	13mm Stop Bead	•	•	•	50
SBG19	19mm Stop Bead	•		•	25

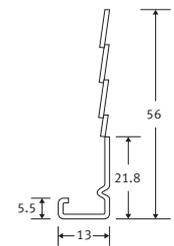
STOP BEAD Stainless Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
SBS10	10mm Stop Bead			•	25
SBS13	13mm Stop Bead			•	25
SBS19	19mm Stop Bead			•	25

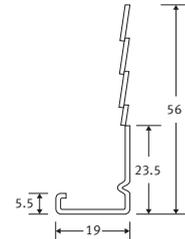
SBG10 / SBS10
10mm Stop Bead



SBG13 / SBS13
13mm Stop Bead



SBG19 / SBS19
19mm Stop Bead



PROTEKTOR BELL CAST RENDER STOP BEAD

Protektor Render Stop Bead profiles provide the ideal answer to finishing the lower edges of render work. The Bell Cast External Render Stop Bead, when used correctly, will assist in creating a bell finish which will allow rainwater to run-off from the surface of the wall. Both profiles provide a straight line that will protect and reinforce the render.

Care should be taken during the application to ensure that the profile is set out level and also that the bead does not get damaged. When render needs to be cleaned off, this should be done while it is still wet.

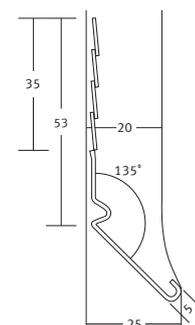
BELL CAST RENDER STOP BEAD Galvanised Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
BCG	20mm Bell Cast Render Stop Bead	•	•	•	25

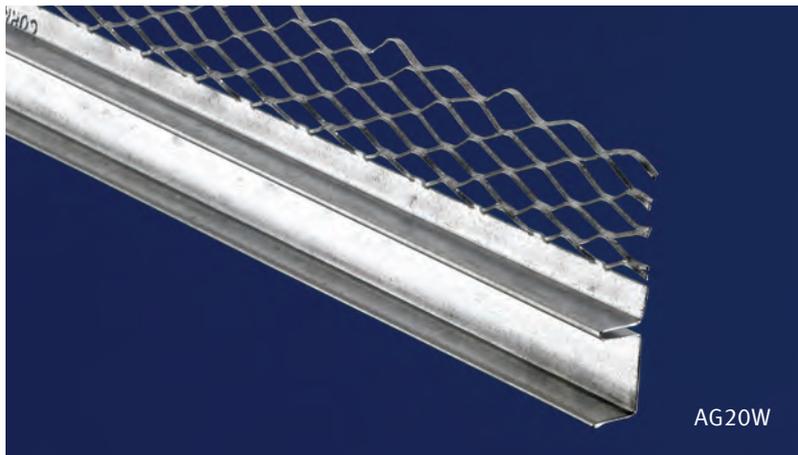
BELL CAST RENDER STOP BEAD Stainless Steel

Ref	Description	Length (Metres)			Qty/Pack
		2.4	2.7	3.0	
BCS	20mm Bell Cast Render Stop Bead			•	25

BCG / BCS 20mm Bell
Cast Render Stop Bead



PROTEKTOR ARCHITRAVE BEAD



Protektor Architrave Beads are designed to act as a plaster stop profile whilst creating a shadow-like recess around door frames, ceilings and varying wall finishes.

The Architrave Bead will increase the speed of installation and finishing process dramatically.

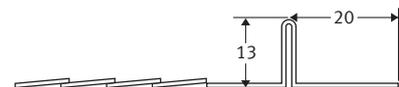
ARCHITRAVE BEAD Galvanised Steel

Ref	Description	Length (Metres)	Qty/Pack
		3.0	
AG3010	10mm Architrave without Return	•	25
AG3010W	10mm Architrave with Return	•	25
AG3013	13mm Architrave without Return	•	25
AG3013W	13mm Architrave with Return	•	25
AG20W	13mm Architrave with 20mm Return	•	25
AG25W	13mm Architrave with 25mm Return	•	25
AG30W	13mm Architrave with 30mm Return	•	25

AG3010 10mm Architrave without Return



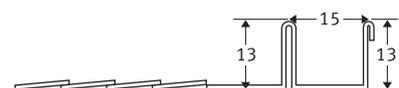
AG3013 13mm Architrave without Return



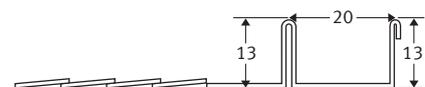
AG3010W 10mm Architrave with Return



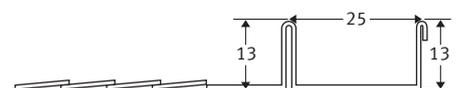
AG3013W 13mm Architrave with Return



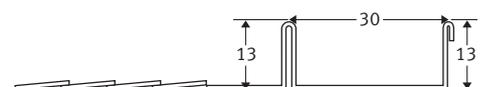
AG20W 13mm Architrave with 20mm Return



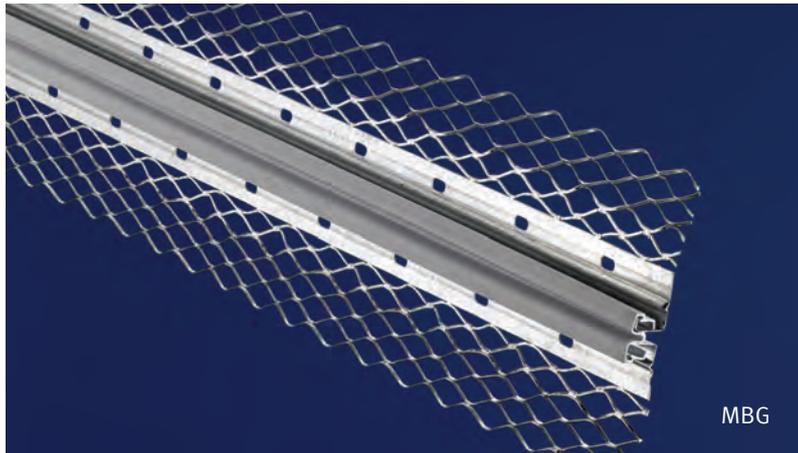
AG25W 13mm Architrave with 25mm Return



AG30W 13mm Architrave with 30mm Return



PROTEKTOR MOVEMENT BEAD



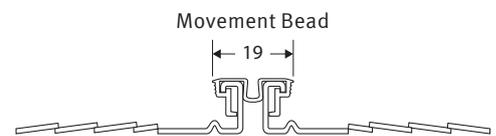
Protektor Movement Bead provides a solution to thermal movement in plaster and rendered finishes.

When placed vertically at predetermined centres, the profile will provide 6mm movement, hence reducing the possibility of cracking.

The face of the extrusion is covered by a black PVC tape; to be removed when the plaster or render work has been completed.

MOVEMENT BEAD Galvanised Steel

Ref	Description	Length (Metres) 3.0	Qty/Pack
MBG3010	10mm Movement Bead	•	10
MBG3013	13mm Movement Bead	•	10
MBG3016	16mm Movement Bead	•	10
MBG3019	19mm Movement Bead	•	10

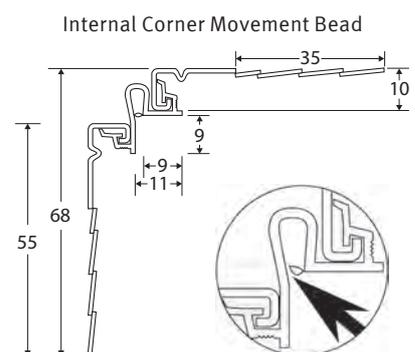


MOVEMENT BEAD Stainless Steel

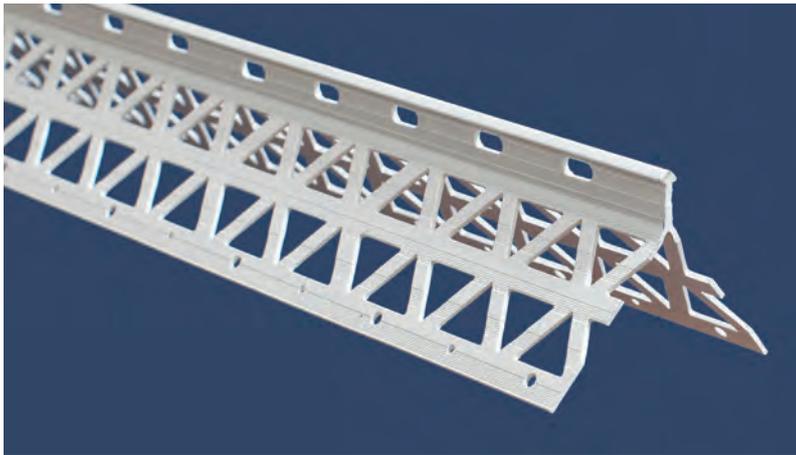
Ref	Description	Length (Metres) 3.0	Qty/Pack
MBS3010	10mm Movement Bead	•	10
MBS3013	13mm Movement Bead	•	10
MBS3016	16mm Movement Bead	•	10
MBS3019	19mm Movement Bead	•	10

INTERNAL CORNER MOVEMENT BEAD Galvanised Steel

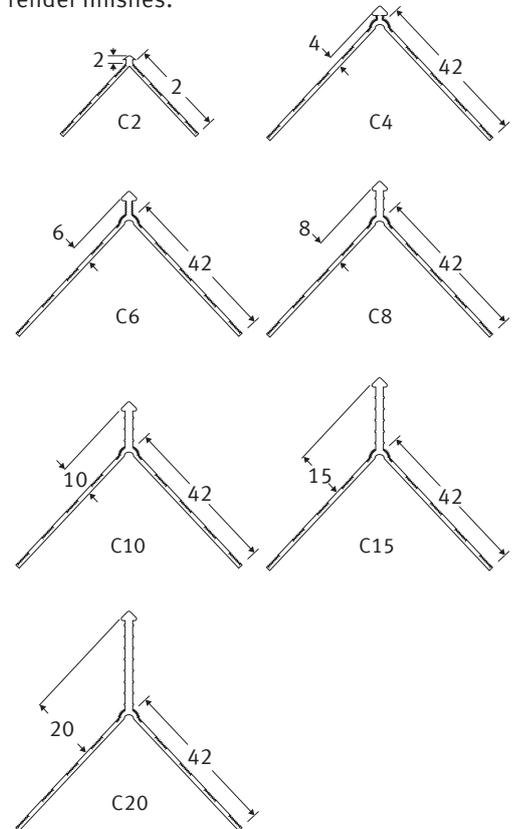
Ref	Description	Length (Metres) 3.0	Qty/Pack
IMG3010	10mm Movement Bead	•	10
IMG3013	13mm Movement Bead	•	10



PROTEKTOR PVCu BEAD FOR PLASTER & RENDER FINISH



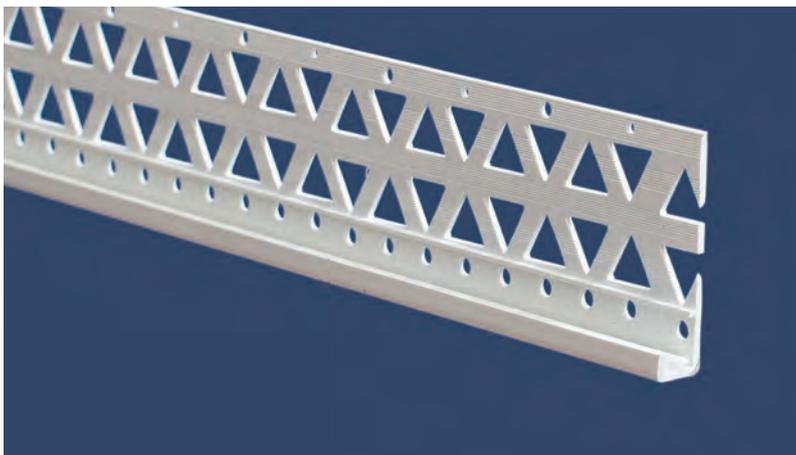
PVCu corner/angle bead featuring a new wider 9mm nose that accentuates the corner detail. Designed for functionality, the profile is quick and easy to install for use in 12-15mm external render finishes.



CORNER / ANGLE BEAD

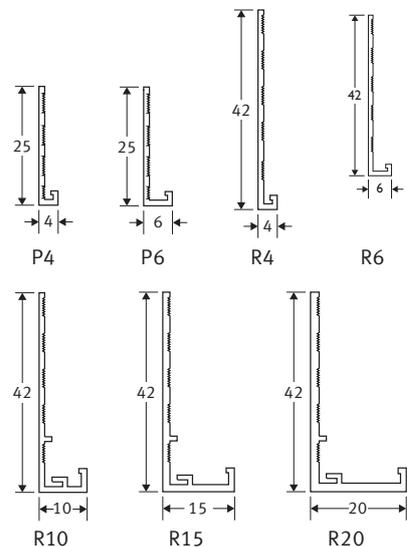
Ref	Render Depth (mm)	Length (Metres)	Qty/Pack
C2	2 - 3	2.5	25
C4	4 - 6	2.5	25
C6	6 - 8	2.5	25
C8	8 - 10	2.5	25
C10	10 - 12	2.5	25
C15	15 - 17	2.5	25
C20	20 - 23	2.5	25

STOP BEAD



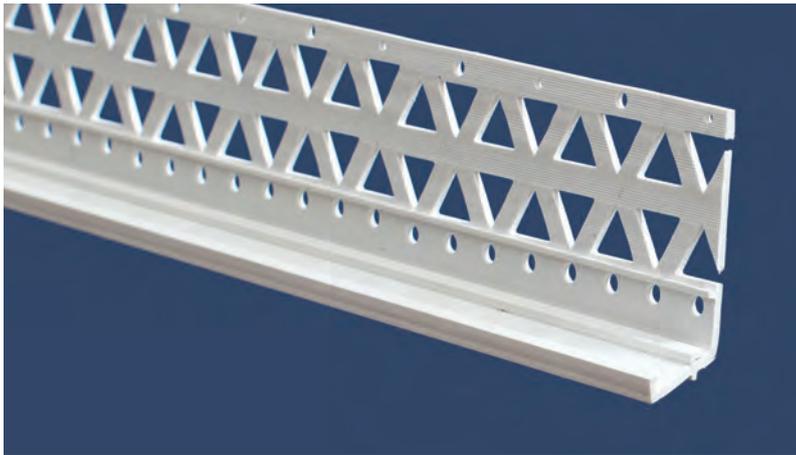
Protektor PVCu Stop Bead Provides a straight line with protection to the edge of a rendered façade or reveal.

The profile will help provide a level crack resistance and a clean finish to the edges of render work.



Ref	Render Depth (mm)	Length (Metres)	Qty/Pack
P4	4	2.5	25
P6	6 - 8	2.5	25
R4	4	2.5	25
R6	6 - 8	2.5	25
R10	10 - 12	2.5	25
R15	15 - 17	2.5	25
R20	20 - 22	2.5	25

PROTEKTOR PVCu BEAD FOR PLASTER & RENDER FINISH

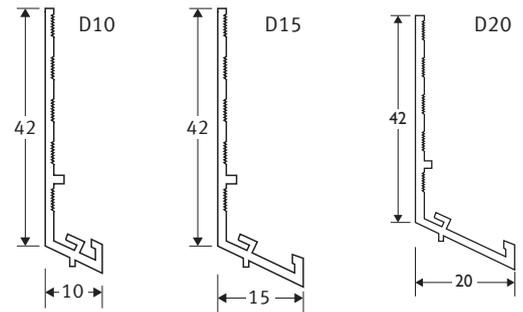


PVCu Bellcast bead is designed to create a gentle gradient when finishing the base of the render.

The profile can also be used above doors, windows and at DPC level to project rainwater to clear of the underlying substrate.

BELLCAST BEAD

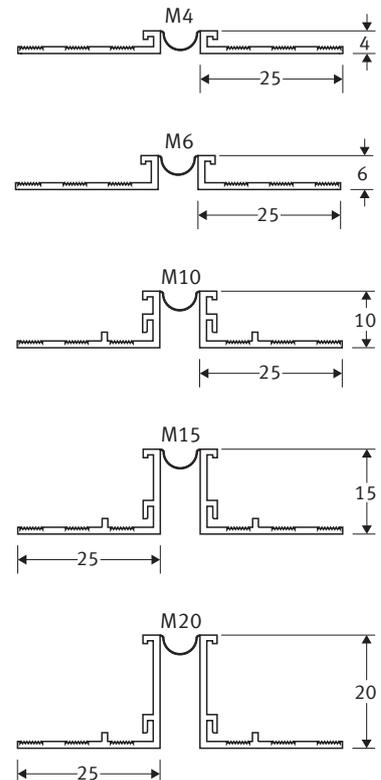
Ref	Render Depth (mm)	Length (Metres)	Qty/Pack
D10	6 - 12	2.5	25
D15	10 - 17	2.5	25
D20	13 - 22	2.5	25



MOVEMENT BEAD

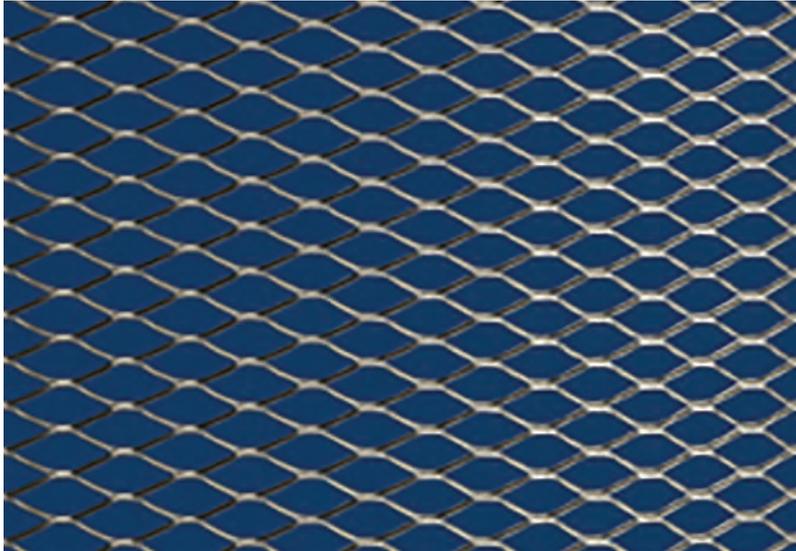


Protektor PVCu Movement Bead is installed vertically and used when providing a finished wall the facility to provide minor levels of Thermal movement within the rendered finish or were a day joint is required.



Ref	Render Depth (mm)	Length (Metres)	Qty/Pack
M4	4 - 6	2.5	25
M6	6 - 8	2.5	25
M10	10 - 12	2.5	25
M15	15 - 17	2.5	25
M20	20 - 22	2.5	25

PROTEKTOR EXPANDED METAL LATH



Cornercare Expanded Metal Lathing and Mesh products are used to provide a suitable key for plaster and rendered finishes including joint and crack reinforcement and general refurbishment.

Easy to install and fix, expanded Metal can be used to provide reinforcement for curved surfaces and steel columns where fire protection is required.

Areas such as suspended ceilings - where longer spans are required between steel supports - require a lath of 1.69 kilos per m2.

Cornercare expanded metal lath is manufactured in accordance with BS 1369 : Part 1 : 1987.

INTERNAL USE

Galvanised Lath is used for internal plaster work; manufactured from galvanised steel to BS EN 10346 : 2009 DX51D + Z275.

EXTERNAL USE

Stainless steel lath is recommended for use in areas with high humidity, moisture. All stainless steel lath products are manufactured from BS EN 10088 – 4 grade 1.4301.

FIXING ADVICE

Please ensure when fixing stainless steel lath that galvanised nails are not used as this will lead to rust spots.

COSHH CERTIFICATION

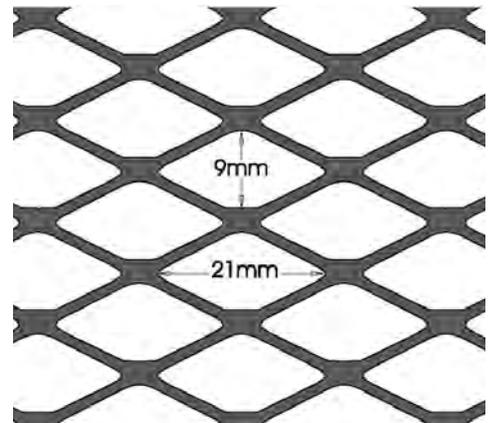
Copy data can be downloaded with product illustrations from our website.

METAL LATH SHEET Galvanised Steel

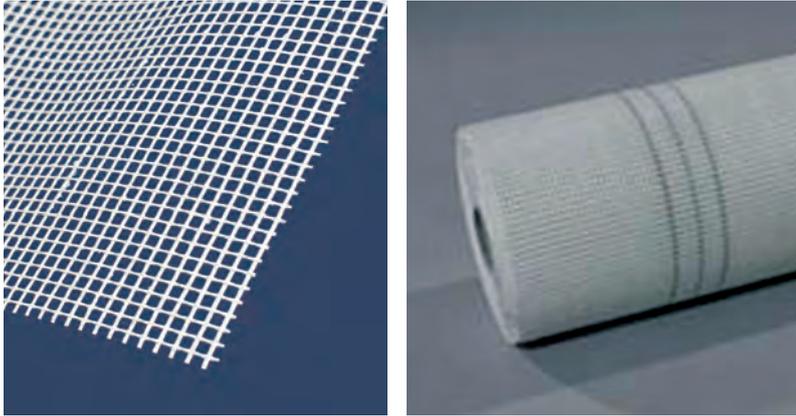
Ref	Nom. Material Thickness (mm)	Nominal Mess Size (mm)	Nominal Kilos/M ²	Size Width x Length (mm)
ELG428	0.4	9 x 21	0.91	2440 x 685
ELG426	0.5	9 x 21	1.15	2440 x 685
ELG425	0.6	9 x 21	1.40	2440 x 685
ELG424	0.7	9 x 21	1.63	2440 x 685

METAL LATH SHEET Stainless Steel

Ref	Nom. Material Thickness (mm)	Nominal Mess Size (mm)	Nominal Kilos/M ²	Size Width x Length (mm)
ELS426	0.5	9 x 16	1.10	2440 x 685



PROTEKTOR FIBRE MESH



Protektor Alkali resistant Fibre Mesh is ideal for use in general construction when reinforcing finishes in plasterboard joints abutting ceilings, patching or acting as a reinforcement for plaster and rendered finishes.

Fibre Mesh rolls are available in large roll format for ease of use when applying over large areas.

ALKALI RESISTANT FIBRE MESH

Ref	Description	Length m	Width mm	Weight per m2 (Grams)
1096	90mm x 70mm Corner Fibre Mesh Profile	50	160	280
1493	Fibre Mesh Roll 4mm x 4mm	50	1000	145
1491	Fibre Mesh Roll 4mm x 4mm	50	1000	160

PROTEKTOR INSECT MESH



Protektor Insect Mesh available in Black PVC Coated Fibreglass, Aluminium and in Grade 304 Stainless Steel is ideal for use in areas where insect control is required.

The Black Fibreglass mesh is soft and easy to manipulate into tight areas and being hard to see it will blend into the background.

The Stainless Steel product is rust resistant and particularly effective in food preparation areas.

INSECT MESH

Ref	Description	Length m	Width mm	Weight per m2 (Grams)
FLYMESH-200mm	200mm Wide Black Fibreglass Insect Mesh	30	200	120
FLYMESH-1200mm	1200mm Black Fibreglass Insect Mesh	30	1200	120
FLYMESH-2000mm	2000mm Black Fibreglass Insect Mesh	30	2000	120
FLYMESH-ALI	1200mm Aluminium Insect Mesh	30	1200	125
FLYMESH-S/STEEL	1200mm Stainless Steel Insect Mesh	30	1200	545

PROTEKTOR SECURITY MESH



The Protektor range of Security Mesh is specifically designed for use within partitions, ceilings, walls and roofing constructions to deter or prevent illegal entry into areas such as secure Cash Rooms, IT Centres, drug storage or high value goods storage areas.

Easily installed, the Security Meshes can be used within plasterboard constructions or on blockwork and then plastered or rendered.

FIXING ADVICE

When installing Security Mesh the sheets should be butted together and not overlapped.

FIXING SECURITY MESH TO TIMBER JOISTS

38 - 45mm zinc coated screws should be used with 25mm x 1.5mm galvanised washers at 450mm centres.

FIXING SECURITY MESH TO PROTEKTOR STEEL PARTITION PROFILES

6/8 x 32mm or 38mm dry wall screws should be used with 25mm x 1.5mm galvanised washers at 450mm centres.

SECURITY MESH

Ref	Description	Size (nominal)	Finished Thickness	Weight per m2
SEC-1	Heavy Duty Mild Steel Expanded Security Mesh	2440 x 1220mm	3.0mm	8.59
SEC-2	Medium Duty Mild Steel Expanded Security Mesh	2440 x 1220mm	1.85mm	3.19
SEC-3	Light Duty Mild Steel Expanded Security Mesh	2440 x 1220mm	1.25mm	1.85

PROTEKTOR SECURITY PANELS



Protektor galvanised perforated security panels are used externally when covering windows or doorways preventing illegal entry to properties in the process of refurbishment.

The panels can be re-used on other construction sites requiring total security and protection against vandalism once the property has been completed.

FIXING SECURITY PANELS TO TIMBER FRAMES

45 - 57mm zinc coated screws should be used at 450mm centres. After installation the screw heads should be ground so as to prevent easy removal of the fixings. For increased or high security performance, heavier weighted meshes should be used and fixing centres reduced. Please refer to the Protektor Technical Office for steel profile recommendations.

SECURITY PANELS

Ref	Description	Size (nominal)	Finished Thickness	Weight per m2
SEC-9	1.2mm Galvanised Perforated Security Panel	2440 x 1220mm	1.2mm	9.6
SEC-10	3mm Galvanised Perforated Security Panel	2440 x 1220mm	3.0mm	24
SEC-11	1.2mm Galvanised Plain Security Panel	2440 x 1220mm	1.2mm	9.6
SEC-12	3mm Galvanised Plain Security Panel	2440 x 1220mm	3.0mm	24



MATERIALS

Protektor Galvanised Bead for Plaster, Plasterboard and Render.

Protektor Galvanised Expanded Brick Reinforcement and Expanded Lath.

Manufactured from Galvanised Steel to BS EN 10327 - DX51D+275.

Protektor Stainless Steel Bead.

Protektor Stainless Steel Expanded Brick Reinforcement/Expanded Lath.

Manufactured from Austenitic Stainless Steel to BS EN 10088-2 grade 1.4301.

Protektor Galvanised Dry Wall Profiles for Ceilings and Partitions.

Manufactured from Galvanised Steel to BS EN 10327 - DX51D.

Protektor Security Mesh.

Manufactured from Cold Rolled Mild Steel to BS EN 10130: 1991 (SEC2 & 3), and HRP&O Mild Steel to BS EN 10111:1998 (SEC1).

SPECIFICATION/BRITISH STANDARD

BS EN 13658-1:2005 - Metal lath and beads - Definitions, requirements and test method, Part 1: Internal plastering.

BS EN 13658-2:2005 - Metal lath and beads - Definitions, requirements and test method, Part 2: External rendering.

BS EN 13914-1:2005 - Design, preparation and application of external rendering and internal plastering, Part 1: External rendering.

BS EN 13914-2:2005 - Design, preparation and application of external rendering and internal plastering, Part 2: Design considerations and essential principals for internal plastering.

BS 8212: 1995 - Code of Practise for Dry Lining and Partitioning using Gypsum Plasters.

BS 7364: 1990 - Specification for galvanised steel studs and channels for studs and sheet partitions and linings using screw fixed gypsum boards.

INSTALLATION OF BEADS

Choose your Beads to suit their application internal/external and the plaster/render thickness to be used. If it is necessary to cut the beads to length, the nose of the bead should be cut with a fine tooth saw and the wings with tinman's shears. To join two lengths of bead, a dowel can be made and inserted in the hollow of the bead to ensure a true alignment.

Fixing beads within plasterwork: fixing is quick and simple. Apply dabs at 600mm centres then press the expanded/perforated wings into the plaster dabs. The bead is then plumbed and squared sufficiently to ensure the required thickness of plaster. Beads may also be fixed with galvanised/stainless steel nails or wire-tied when used on metal lath.

Fixing Beads with Render: fixing is generally as described above, it is important that render is used for dab fixing and not plaster. When stainless steel beads are being fixed with nails, these should be in stainless steel and stainless steel wire should be used when tying stainless steel lathing.

DELIVERY/STORAGE

Protektor's efficient manufacturing and consistent levels of stock ensure a fast, prompt response to our customers. The products are normally supplied strapped or banded for transport and storage purposes. They can be off-loaded mechanically using a suitable forklift truck. Store under cover in clean, dry conditions, out of contact with dry cement, lime, plaster or mortar. The Plaster Beads should be stacked flat and supported along their length. (Full boxes should not be stacked more than six high).

SAFETY PRECAUTIONS

When cutting plaster/render beads, expanded metal lathing and brick reinforcement, we recommend the wearing of gloves. Individuals with existing skin problems or those sensitised to mineral oils should protect their hands using a skin barrier cream or suitable gloves. If irritation or injury occurs, seek medical attention.



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