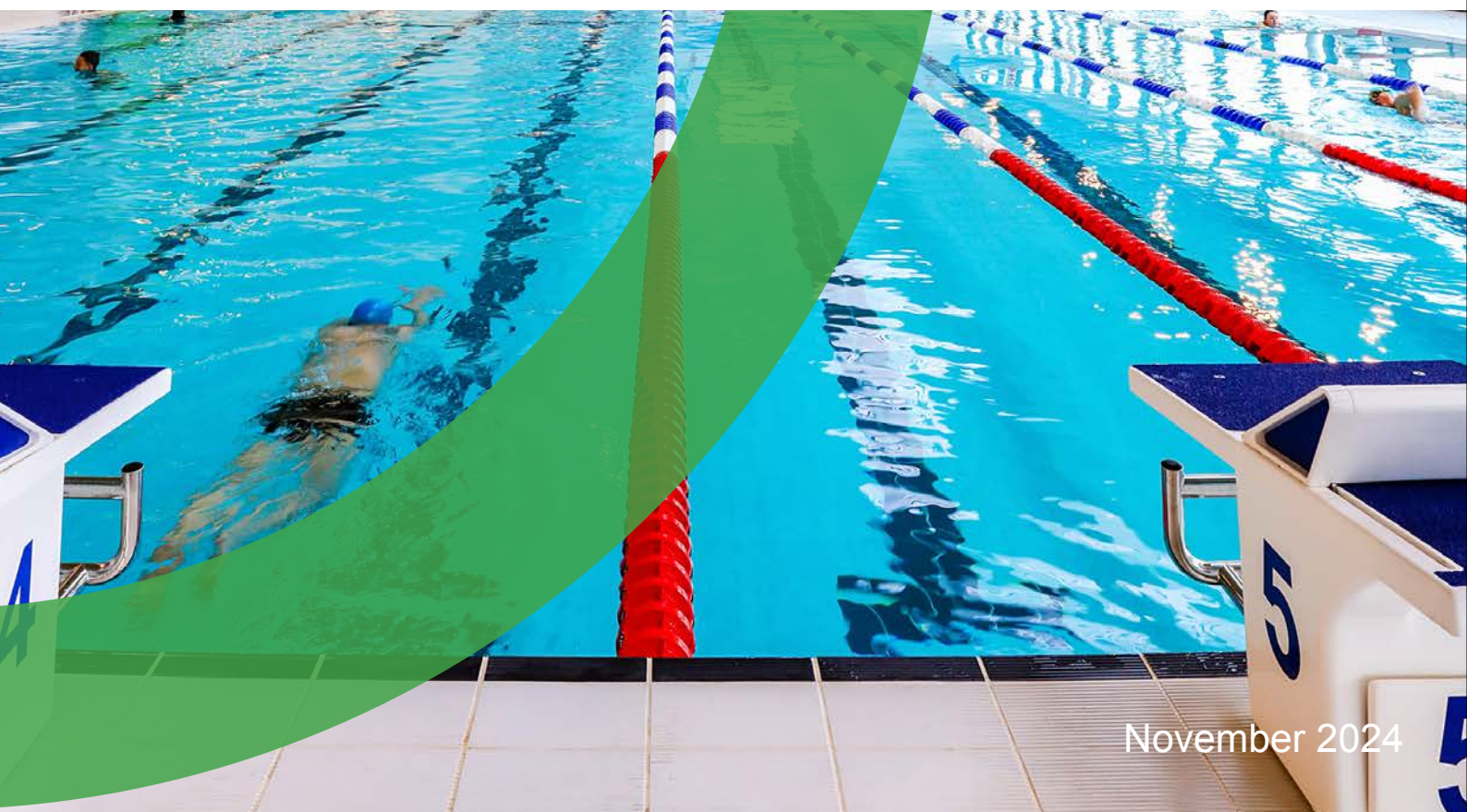




## C3 and C5 Coated Profiles and Accessories



November 2024



# Introduction

**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.





# C3 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 |
|------------------|--|-----------------|----------|
| <b>58102</b>     | CD Ceiling Profile 60 mm x 0.6 mm                        | 4.0             | 12       |
| <b>58122</b>     | U Perimeter Profile                                      | 3.0             | 16       |
| <b>58168</b>     | J Perimeter Profile                                      | 3.0             | 16       |
| <b>C3-PP50</b>   | L Angle Perimeter Profile 50 mm x 50 mm x 0.7 mm         | 3.0             | 10       |
| <b>59014</b>     | Top Hat Profile 10 mm x 15.5 mm x 48 mm                  | 4.0             | 10       |
| <b>C3-THG005</b> | Top Hat Profile 10 mm x 15 mm x 80 mm                    | 4.0             | 10       |
| <b>58121</b>     | C3 - C5 Direct Fix Hanger 125 mm                         | 0.125           | 100      |
| <b>58159</b>     | C3 - C5 Direct Fix Hanger 200 mm                         | 0.2             | 100      |
| <b>58108</b>     | C3 - C5 CD Nonius Hanger                                 |                 | 100      |
| <b>58107</b>     | C3 - C5 Adjusting Clamps                                 |                 | 100      |
| <b>58128</b>     | C3 - C5 Click Fix Profile Clip                           |                 | 100      |
| <b>58310</b>     | C3 - C5 CD Direct Fix Adjustable Hanger                  |                 | 100      |
| <b>58106</b>     | C3 - C5 Hanger 190 mm                                    | 0.19            | 100      |
| <b>58103</b>     | C3 - C5 Profile Connector                                |                 | 100      |
| <b>58104</b>     | C3 - C5 Cross Connector                                  |                 | 100      |
| <b>58105</b>     | C3 - C5 Safety Cross Connector                           |                 | 100      |
| <b>58304</b>     | C3 - C5 Quick Cross Connector for use with UA 50 profile |                 | 100      |
| <b>58236</b>     | C5 Jack point Pan Head screw 13 mm x 4.2 mm              | 1000            | 1000     |
| <b>58239</b>     | C5 Pan Head screw 13 mm x 4.2 mm                         | 1000            | 1000     |
| <b>58233</b>     | C5 6.3 mm x 19 mm Self Drilling Screw (> 6.0 mm)         | 500             | 500      |
| <b>58220</b>     | C3 6 mm x 44 mm Ceiling Dowel with Nail Head             | 100             | 100      |
| <b>58150</b>     | 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 |
|--------------|------------|--------|--------------|------------|--------|
| <b>58109</b> | 0.1        | 100    | <b>58123</b> | 1.2        | 50     |
| <b>58110</b> | 0.2        | 100    | <b>58124</b> | 1.4        | 50     |
| <b>58111</b> | 0.3        | 100    | <b>58119</b> | 1.7        | 50     |
| <b>58112</b> | 0.4        | 100    | <b>58125</b> | 2.0        | 50     |
| <b>58113</b> | 0.5        | 100    | <b>58126</b> | 2.5        | 50     |
| <b>58114</b> | 0.6        | 100    |              |            |        |
| <b>58115</b> | 0.7        | 100    |              |            |        |
| <b>58116</b> | 0.8        | 100    |              |            |        |
| <b>58117</b> | 0.9        | 100    |              |            |        |
| <b>58118</b> | 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

# C3 COATED SUSPENSION PROFILES

## 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 |
|------------------|--|-----------------|----------|
| <b>58130</b>     | C5 - C Ceiling Profile 60 mm x 0.6 mm                    | 4.0             | 12       |
| <b>58148</b>     | C5 - U Perimeter Profile                                 | 3.0             | 16       |
| <b>C5-THG005</b> | C5 - Top Hat Profile 10 mm x 15 mm x 80 mm               | 3.0             | 10       |
| <b>59019</b>     | C5 UA50 Profile  | 4.0             | 6        |
| <b>58121</b>     | C3 - C5 Direct Fix Hanger 125 mm                         | 0.125           | 100      |
| <b>58159</b>     | C3 - C5 Direct Fix Hanger 200 mm                         | 0.2             | 100      |
| <b>58108</b>     | C3 - C5 CD Nonius Hanger                                 |                 | 100      |
| <b>58107</b>     | C3 - C5 Adjusting Clamps                                 |                 | 100      |
| <b>58128</b>     | C3 - C5 Click Fix Profile Clip                           |                 | 100      |
| <b>58310</b>     | C3 - C5 CD Direct Fix Adjustable Hanger                  |                 | 100      |
| <b>58106</b>     | C3 - C5 Hanger 190 mm                                    | 0.19            | 100      |
| <b>58103</b>     | C3 - C5 Profile Connector                                |                 | 100      |
| <b>58104</b>     | C3 - C5 Cross Connector                                  |                 | 100      |
| <b>58105</b>     | C3 - C5 Safety Cross Connector                           |                 | 100      |
| <b>58304</b>     | C3 - C5 Quick Cross Connector for use with UA 50 profile |                 | 100      |
| <b>58236</b>     | C5 Jack point Pan Head screw 13 mm x 4.2 mm              | 1000            | 1000     |
| <b>58239</b>     | C5 Pan Head screw 13 mm x 4.2 mm                         | 1000            | 1000     |
| <b>58233</b>     | C5 6.3 mm x 19 mm Self Drilling Screw ( > 6.0 mm )       | 500             | 500      |
| <b>58221</b>     | C5 6 mm x 44 mm Ceiling Dowel with Nail Head             | 100             | 100      |
| <b>58150</b>     | 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 |
|--------------|------------|--------|--------------|------------|--------|
| <b>58109</b> | 0.1        | 100    | <b>58123</b> | 1.2        | 50     |
| <b>58110</b> | 0.2        | 100    | <b>58124</b> | 1.4        | 50     |
| <b>58111</b> | 0.3        | 100    | <b>58119</b> | 1.7        | 50     |
| <b>58112</b> | 0.4        | 100    | <b>58125</b> | 2.0        | 50     |
| <b>58113</b> | 0.5        | 100    | <b>58126</b> | 2.5        | 50     |
| <b>58114</b> | 0.6        | 100    |              |            |        |
| <b>58115</b> | 0.7        | 100    |              |            |        |
| <b>58116</b> | 0.8        | 100    |              |            |        |
| <b>58117</b> | 0.9        | 100    |              |            |        |
| <b>58118</b> | 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



# 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.



# PRODUCT INFORMATION

## 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 Practice 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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