

altro



Altro resin systems



Resin systems

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Angel Square, United Kingdom
 Design: www.shed-design.com, Photo: James Medcraft



Your guide to resin systems

Combining hygiene, durability and performance, Altro epoxy and polyurethane resin floor and wall systems offer customers, designers and specifiers the choice they need for tailor-made resin solutions that can be used across a wide range of industries and environments.

What's new?

We want to help make choosing your next Altro resin system even easier, so we've made some changes to simplify how we name and describe our resin products.

There's still a wide variety of options to choose from to suit your needs – ranging from our specialist to general products.

We have now categorised our products into nine distinct product ranges, with different options to choose from for each product range. We call these options 'variants'.

Choosing your Altro resin

Step 1. Go to the technical chart (pages 4-5). Choose the right product range.

Altro Crete™	Altro Grip™	Altro Screed™
Altro Flexiflow™	Altro Flow™	Altro Mosaic™
Altro Tect™	Altro Coat™	Altro Seal™

Step 2. Now go to the specific product range pages, including the technical chart for the range you've chosen. Choose the right variant.

Here's an example.

On page 5, you're interested in Altro Coat. Now go to the Altro Coat information on pages 42-45. We tell you about the variants and there is a specific technical chart for the three Altro Coat variants: standard, slip-resistant and vertical. This chart shows technical information and specific application areas for each variant. It also lets you know what that variant was previously known as, in case you want to track down an old favourite.

Step 3. Once you've chosen the variant, look at the colour options and key.

Each product range has an individual key which will help you identify which colours are available for your chosen variant.

You'll find letters under the swatches. These letters correspond to the key and indicate which colours are available in which variant.

Altro Crete is a really good example. Have a look at pages 7-8.

Let's say you've chosen the Altro Crete 4mm slip-resistant (PTV ≥50) variant. In the key this variant is labelled as 'C'. This means this variant is only available in shades which have the letter 'C' underneath. The colour swatch 'Honey' has 'C' under it which means that this colour is available for the 4mm slip-resistant (PTV ≥50) variant.

Key for Altro Crete variant colours	
A 2mm slip-resistant variant	E 6mm slip-resistant fast-track variant
B 4mm slip-resistant (PTV ≥36) variant	F 8mm slip-resistant variant
C 4mm slip-resistant (PTV ≥50) variant	G 8mm slip-resistant fast-track variant
D 6mm slip-resistant variant	



Ordering

For further information about our resin systems please contact us. When ordering please always ensure you quote the full product range and variant descriptor.

Resin floor classifications

The Federation of Resin Formulators and Applicators (FeRFA) has produced a classification system to help you compare resin products from different sources. Our resins are classified in accordance with this system.



The Federation of Resin Formulators and Applicators resin flooring classification

Type	Name	Description	Duty	Typical thickness
1	Floor seal	Applied in two or more coats. Generally solvent or water borne.	LD	up to 150µm
2	Floor coating	Applied in two or more coats. Generally solvent-free.	LD / MD	150µm to 300µm
3	High build floor coating	Applied in two or more coats. Generally solvent-free.	MD	300µm to 1000µm
4	Multi-layer flooring	Aggregate dressed systems based on multiple layers of floor coatings or flow-applied floorings, often described as 'sandwich' systems.	MD / HD	>2mm
5	Flow applied flooring	Often referred to as 'self-smoothing' or 'self-levelling' flooring and having a smooth surface.	MD / HD	2mm to 3mm
6	Resin screed flooring	Trowel-finished, heavily filled systems, generally incorporating a surface seal coat to minimise porosity.	MD / HD	>4mm
7	Heavy duty flowable flooring	Having a smooth surface.	HD / VHD	4mm to 6mm
8	Heavy duty resin flooring	Trowel-finished, aggregate filled systems, effectively impervious throughout their thickness.	VHD	>6mm

Light duty (LD) - light foot traffic, occasional rubber tyred vehicles

Medium duty (MD) - regular foot traffic, frequent fork truck traffic, occasional hard plastic wheeled trolleys

Heavy duty (HD) - constant fork lift truck traffic, hard plastic wheeled trolleys, some impact

Very heavy duty (VHD) - severe heavily loaded traffic and impact

Resin systems technical chart

	Altro Crete	Altro Grip	Altro Screed	Altro Flexiflow
FeRFA type	4,5,7,8	4	n/a, 6	5
Nominal thickness	2mm, 4mm, 6mm, 8mm	1mm, 1.25mm, 2mm, 4.5mm, 6mm	3mm, 4mm, 5mm, 6mm	2mm, 8mm
Guarantee years	6, 10, 15	3, 6, 10	6, 10	6, 10
Life expectancy years	10, 15, 20	6, 10, 15	10, 15	40*
Impact resistance	Good - excellent	Limited - excellent	Limited - excellent	Good
Wear characteristics	Medium - very heavy duty	Medium - heavy duty	Medium - heavy duty	Light / medium duty
Slip resistance BS 7976 PTV	≥36, ≥50 variants available	≥40, ≥50 variants available	≥40 variants available	≥36 variants available
Service temperature	-40 - 60°C, -40 - 120°C	0 - 60°C	0 - 60°C	0 - 30°C
Chemical resistance	Excellent	Good	Good	Moderate
Typical applications	Commercial kitchens, food and drink manufacturing areas. Pharmaceutical, chemical and engineering areas.	Wet general industry and wet automotive areas.	Reception areas, atria, communal areas, walkways, corridors and custodial areas.	Commercial and light production areas, classrooms and corridors.

* Top coat will need to be refreshed.

Technical information

FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.

All **thicknesses are nominal**.

Altro resins are specifically designed for use in **industrial and commercial environments** and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining particularly on premature or prolonged contact with **chemicals** including water. Please consult Altro for chemical resistance details.

Always use the **correct maintenance** and **entrance matting** to help minimise potential wear and maintain a clean environment.

Flooring surfaces with a texture shall require use of an appropriate **cleaning** method and materials. A build-up of dirt on a textured floor negates the benefit of texture.

Altro Flow	Altro Mosaic	Altro Tect	Altro Coat	Altro Seal
5	4	3	2	1
1mm, 2mm, 3mm	1mm - 1.5 mm	350 - 500 microns	180 microns	90 - 180 microns
6	6	3	2	2
10	8	7	5	5
Good	Limited	Limited	Limited	Limited
Medium duty	Medium duty	Medium duty	Light - medium duty	Light duty
n/a	n/a	≥36 variant available	≥36 variant available	≥36 variant available
0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
Good	Good	Good	Good	Good
Pharmaceutical, industrial, and production.	Reception areas, atria, communal areas, walkways and corridors.	General industry, warehousing, storage and defence.	Warehousing storage and plant rooms.	Packing areas, pharmaceutical, craft and design rooms. Areas requiring increased chemical resistance.

Curing times are dependent upon the ambient and substrate temperature. Low and high temperatures will affect the application, appearance and service performance.

Other colours may be **made to order**. Pale colours may show some cosmetic discolouration on exposure to UV light. Please be aware when placing these products into areas where colour is important.

Please refer to the most up-to-date **technical documents**, including **safety data sheets**, for the Altro resin variant prior to beginning your installation.

PTV – pendulum test values are a general guide and measured in optimal laboratory conditions.

We strongly recommend carrying out a **risk assessment** in any area in which the installation of resin systems is considered, focusing on the potential risk posed by contaminants from spillages.

On extended contact, certain **tyres** may leach plasticiser. This may be difficult to remove or leave a permanent stain.

For further information please see www.altro.co.uk for the **technical documents**.



Small World Beers, United Kingdom

Altro Crete™

Polyurethane (PU)

Typical applications:

Commercial kitchens. Food and drink manufacturing areas. Pharmaceutical. Chemical and engineering areas.

For your hardest-working environments our Altro Crete range offers you seven polyurethane variants to choose from. It provides durability, slip resistance and excellent resistance to a wide range of chemicals including organic acids found in foodstuffs.

Our **2mm slip-resistant variant** is a medium duty flow applied smooth surface resin with a matt finish and for extra durability there is the thicker **4mm slip-resistant (PTV ≥36) variant**. These variants are ideal for food and drink production, packing and storage areas.

For wet processing areas needing slip resistance with a textured finish, the **4mm slip-resistant (PTV ≥50) variant** offers a multi-layer system which has a Pendulum Test Value of ≥50. This variant is more suitable for areas where there are contaminants other than water such as beverages, fruit juice and milk.

The **6mm slip-resistant variant** has a Pendulum Test Value of ≥50. It has a textured surface and is ideal for very heavy duty areas such as commercial kitchens.

If you need a strong floor but have a tough deadline the **6mm slip-resistant fast-track variant** is the answer with the benefit of a faster return to service*.

The **8mm slip-resistant variant** can handle the heat. It has excellent impact and abrasion resistance and is made for an increased temperature range (-40°C to +120°C), making it perfect for intensive, particularly demanding environments, which require steam cleaning. For a quicker return to service* there's also the option of the **8mm slip-resistant fast-track variant**.

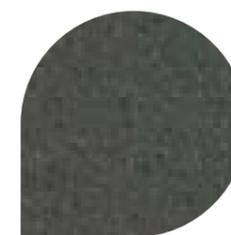
*When site conditions are comparable (ambient or substrate temperature, humidity and ventilation).

- Looks great with:
- Altro Whiterock system
 - Altro Fortis system
 - Altro Reliance 25

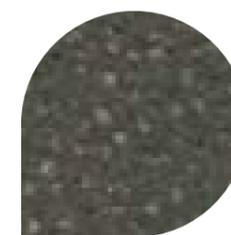
Please see technical chart on pages 10-11 for further details.



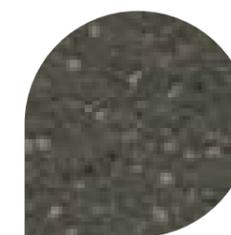
Iron
LRV: 9
A B



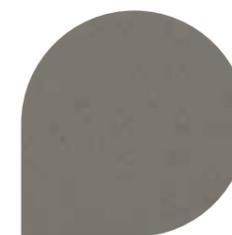
Basalt
LRV: 10
C



Obsidian
LRV: 10
D F



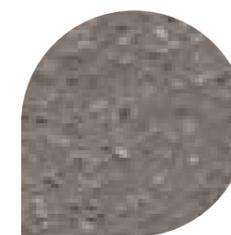
Magnet
LRV: 10
E G



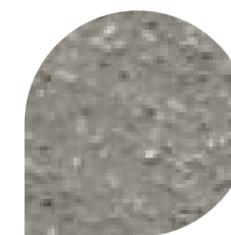
Zinc
LRV: 15
A B



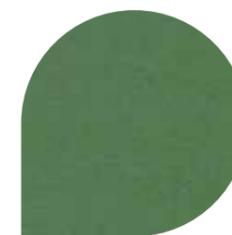
Alloy
LRV: 19
C



Steel
LRV: 19
D F



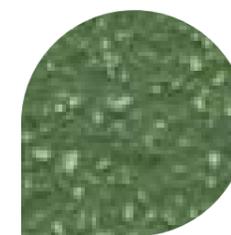
Silver Grey
LRV: 19
E G



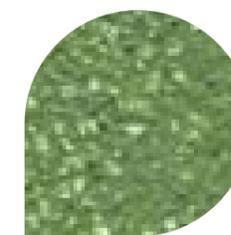
Forest
LRV: 10
A B



Evergreen
LRV: 13
C



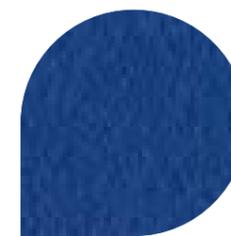
Lawn
LRV: 12
D F



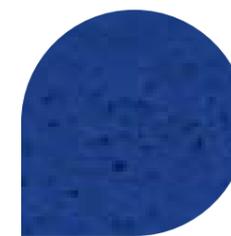
Meadow Green
LRV: 12
E G



Ultramarine
LRV: 8
A B



Cobalt Blue
LRV: 8
C



Zaffre
LRV: 8
D F

Key for variant colours			
A	2mm slip-resistant variant	E	6mm slip-resistant fast-track variant
B	4mm slip-resistant (PTV ≥36) variant	F	8mm slip-resistant variant
C	4mm slip-resistant (PTV ≥50) variant	G	8mm slip-resistant fast-track variant
D	6mm slip-resistant variant		

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Altro Crete variants will undergo cosmetic yellow discolouration when exposed to UV light sources. The effect will be most pronounced in pale colours and blue / grey shades.

Altro Crete has a complementary coving system available.

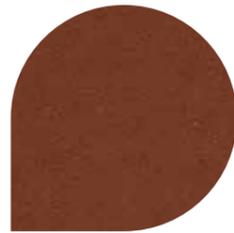
Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

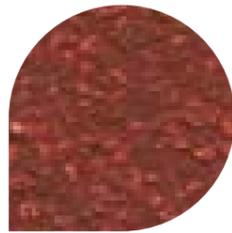
☎ 01462 707 700
✉ samples@altro.com



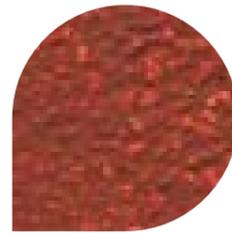
Sandstone
LRV: 8
A B



Red Lichen
LRV: 8
C



Laterite
LRV: 12
D F



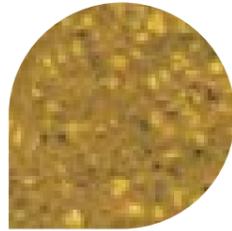
Brick Red
LRV: 12
E G



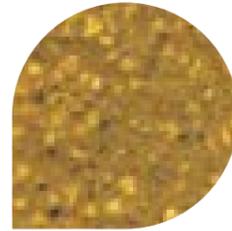
Ochre
LRV: 20
A B



Honey
LRV: 23
C



Butterscotch
LRV: 23
D F



Turmeric
LRV: 23
E G

Key for variant colours			
A	2mm slip-resistant variant	E	6mm slip-resistant fast-track variant
B	4mm slip-resistant (PTV ≥36) variant	F	8mm slip-resistant variant
C	4mm slip-resistant (PTV ≥50) variant	G	8mm slip-resistant fast-track variant
D	6mm slip-resistant variant		

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Altro Crete variants will undergo cosmetic yellow discolouration when exposed to UV light sources. The effect will be most pronounced in pale colours and blue / grey shades.

Altro Crete has a complementary coving system available.

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700

✉ samples@altro.com



Altro Crete technical chart

	Altro Crete		
Variant	2mm slip-resistant	4mm slip-resistant (PTV ≥36)	4mm slip-resistant (PTV ≥50)
Previously known as	AltroFlow™ PUM Excel	AltroFlow™ PUM Excel	AltroGrip™ PU Excel
FeRFA type	5	7	4
Nominal thickness	2mm	4mm	4mm
Guarantee	6	6	10
Life expectancy	10	10	15
Impact resistance	Good	Good	Good
Wear characteristics	Medium duty	Heavy duty	Heavy duty
Slip resistance BS 7976 PTV	≥36	≥36	≥50
Service temperature	-40 - 60°C	-40 - 60°C	-40 - 60°C
Chemical resistance	Excellent	Excellent	Excellent
Cleaning method	Scrubber dryer	Scrubber dryer	Scrubber dryer
Specific applications	For medium duty areas where there is an increased risk of slipping. Typical applications include goods and storage, food and drink production and packing areas, laboratories and clean rooms.	For heavy duty areas where there is an increased risk of slipping. Typical applications include goods and storage, food and drink production and packing areas, laboratories, clean rooms and metal fabrication.	For heavy duty areas where there is an increased risk of slipping. Typical applications include food and drink, wet processing areas, mortuaries and chemical industries. This variant is suitable for areas where there are contaminants other than water.

Altro Crete			
6mm slip-resistant	6mm slip-resistant fast-track	8mm slip-resistant	8mm slip-resistant fast-track
AltroCrete PU Excel™ HF	AltroCrete PU Fast Track™	AltroCrete PU Excel™ HF	AltroCrete PU Fast Track™
8	8	8	8
6mm	6mm	8mm	8mm
10	10	15	15
15	15	20	20
Excellent	Excellent	Excellent	Excellent
Very heavy duty	Very heavy duty	Very heavy duty	Very heavy duty
≥50	≥50	≥50	≥50
-40 - 60°C	-40 - 60°C	-40 - 120°C	-40 - 120°C
Excellent	Excellent	Excellent	Excellent
Low pressure washer / scrubber vacuum	Low pressure washer / scrubber vacuum	Low pressure washer / scrubber vacuum. Resistant to steam cleaning	Low pressure washer / scrubber vacuum. Resistant to steam cleaning
For very heavy duty areas where there is an increased risk of slipping. Typical applications include commercial kitchens, appliance bays, food and drink preparation, production and storage. Chemical and pharmaceutical production and storage.	For very heavy duty areas where there is an increased risk of slipping and a fast-track* solution is required. Typical applications include commercial kitchens, appliance bays, food and drink preparation, production and storage. Chemical and pharmaceutical production and storage.	For very heavy duty areas subject to extremes of temperature and where there is an increased risk of slipping. Typical applications include commercial kitchens, appliance bays, food and drink preparation, production and storage. Chemical and pharmaceutical production and storage.	For very heavy duty areas subject to extremes of temperature where there is an increased risk of slipping and a fast-track* solution is required. Typical applications include commercial kitchens, appliance bays, food and drink preparation, production and storage. Chemical and pharmaceutical production and storage.

For technical drawings see pages 52-67.

* When site conditions are comparable (ambient or substrate temperature, humidity and ventilation).



Southampton Bus Depot, United Kingdom

Altro Grip™

Epoxy (EP)

Typical applications:

Wet general industry. Wet automotive areas.

Altro Grip is a solvent-free epoxy resin multi-layer system providing slip resistance and a textured gloss surface.

From showers to vehicle service and inspection pits, we've got an Altro Grip variant to suit your needs.

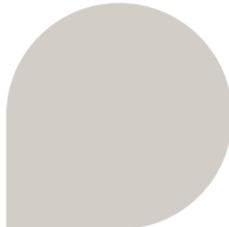
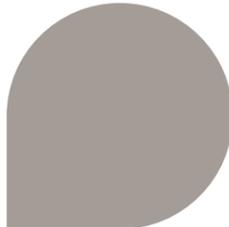
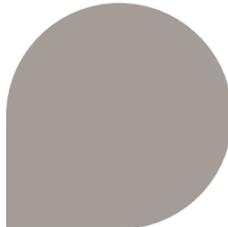
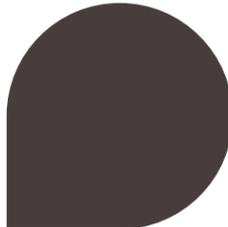
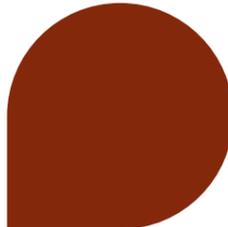
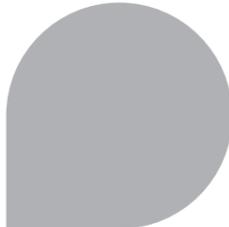
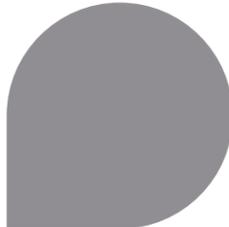
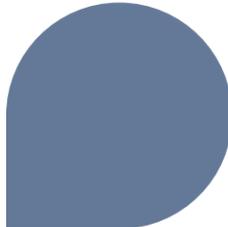
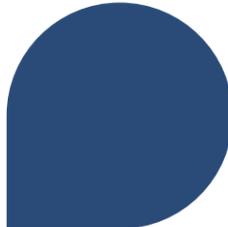
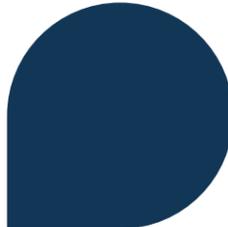
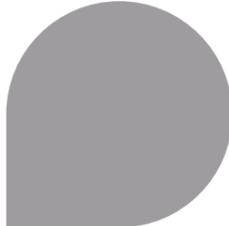
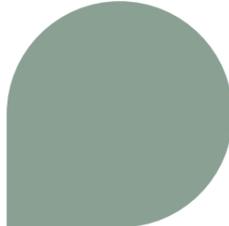
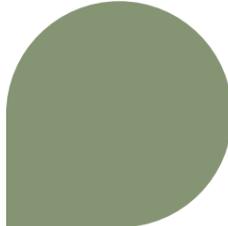
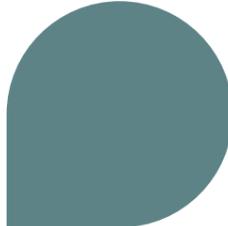
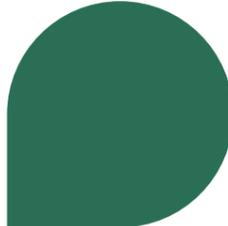
The **1mm slip-resistant variant** is available in a range of single coloured finishes.

The **1.25mm slip-resistant variant** is available in either single or multi-coloured decorative finishes.

The **2mm slip-resistant variant** is available in 25 solid colour options giving moderate impact resistance.

When you have a slippery situation the **4.5mm slip-resistant variant** can keep you on your feet and is great for kitchens and wet production areas. This system has been tested to DIN 51097 for barefoot wet areas such as changing rooms and showers.

The **6mm slip-resistant variant** is a modified flow-applied system incorporating a natural sand aggregate and it provides excellent impact resistance.

 Cloud LRV: 50 H I J L	 Doe LRV: 35 H I J L	 Winter Grey LRV: 19 H I J L	 Burnt Chocolate LRV: 5 H I J L	 Ruby LRV: 8 H I J L
 Dawn LRV: 42 H I J L	 Flint LRV: 28 H I J L	 Wedgewood LRV: 20 H I J L	 Sark LRV: 10 H I J L	 Indigo LRV: 3 H I J L
 Gunmetal LRV: 23 H I J L	 Spruce LRV: 29 H I J L	 Jade LRV: 28 H I J L	 Cyprus LRV: 21 H I J L	 Patina LRV: 11 H I J L

Key for variant colours

H 1mm slip-resistant variant	K 4.5mm slip-resistant variant
I 1.25mm slip-resistant variant	L 6mm slip-resistant variant
J 2mm slip-resistant variant	

- Looks great with:
- Altro Whiterock system
 - Altro Fortis system
 - Altro Stronghold 30
 - Altro Aquarius

Please see technical chart on pages 16-17 for further details.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



† Safety Red and Safety Yellow are intended for line marking and small areas of demarcation only. Dark colours will highlight any defects such as roller lines and scratches.

* Safety Red, Safety Yellow and White are not included in Altro resins standard colour range. Bespoke non-standard colours will be subject to additional lead time and possibly increased cost.

Key for variant colours

H 1mm slip-resistant variant	K 4.5mm slip-resistant variant
I 1.25mm slip-resistant variant	L 6mm slip-resistant variant
J 2mm slip-resistant variant	

Key for variant colours

H 1mm slip-resistant variant	K 4.5mm slip-resistant variant
I 1.25mm slip-resistant variant	L 6mm slip-resistant variant
J 2mm slip-resistant variant	

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i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com

Altro Grip technical chart

Variant	Altro Grip	
	1mm slip-resistant	1.25mm slip-resistant
Previously known as	n/a	AltroCast™ single colour AltroCast™ multi-colour
FeRFA type	4	4
Nominal thickness	1mm	1.25mm
Guarantee	3	6
Life expectancy	6	10
Impact resistance	Limited	Limited
Wear characteristics	Medium duty	Medium duty
Slip resistance BS 7976 PTV	≥40	≥50
Service temperature	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good
Cleaning method	Scrubber dryer	Scrubber dryer
Specific applications	For medium duty wet areas where there is an increased risk of slipping. Typical applications include packing, workshop areas and warehousing.	For medium duty wet areas where there is an increased risk of slipping. Typical applications include packing and workshop areas.

For technical drawings see pages 52-67.

Altro Grip		
2mm slip-resistant	4.5mm slip-resistant	6mm slip-resistant
AltroGrip Quartz EP™	Altro TB + Cast™	AltroGrip EP™
4	4	4
2mm	4.5mm	6mm
6	10	10
10	15	15
Moderate	Moderate	Excellent
Medium duty	Medium - heavy duty	Heavy duty
≥50	≥50	≥40
0 - 60°C	0 - 60°C	0 - 60°C
Good	Good	Good
Scrubber dryer	Scrubber dryer	Scrubber dryer
For medium duty wet areas where there is an increased risk of slipping. Typical applications include vehicle servicing and repair areas exposed to water. Wash down areas and inspection pits.	For medium to heavy duty wet areas where there is an increased risk of slipping. Typical applications include kitchens, changing areas, showers, bars, mortuaries and wet production areas.	For heavy duty wet areas where there is an increased risk of slipping. Typical applications include packing, workshop areas and warehousing.



University of Wolverhampton, United Kingdom

Altro Screed™

Epoxy (EP)

Typical applications:

Reception areas. Atria. Communal areas. Walkways. Corridors. Custodial areas.

Whether you're manoeuvring your forklift truck or herding hordes of students into a lab, with lots of variants to choose from there's an Altro Screed that's right for you. Altro Screed is a solvent-free epoxy resin system providing a moderate level of chemical resistance.

The **3mm standard variant** comprises quartz aggregate bound in clear resin and finished with clear seal coats for a decorative floor finish. It is available in a range of colours including natural colour options and can also be applied to vertical surfaces.

The **4mm standard variant** has different decorative options including natural-looking designs evoking tones of concrete and stone.

The **6mm standard variant** provides extra durability and is available in decorative quartz aggregates.

For areas where there is an increased risk of slipping choose from the **3mm slip-resistant variant**, **4mm slip-resistant variant** and the **6mm slip-resistant variant**. These variants have slip-resistant aggregates incorporated into their seal coats.

When time is of the essence* both types of seal coat ie standard and slip-resistant are available in a Rapicure option.

For where there are electronically sensitive environments and equipment we offer the **4mm static-dissipative variant**. This variant is measured in accordance with test method BS 2050.

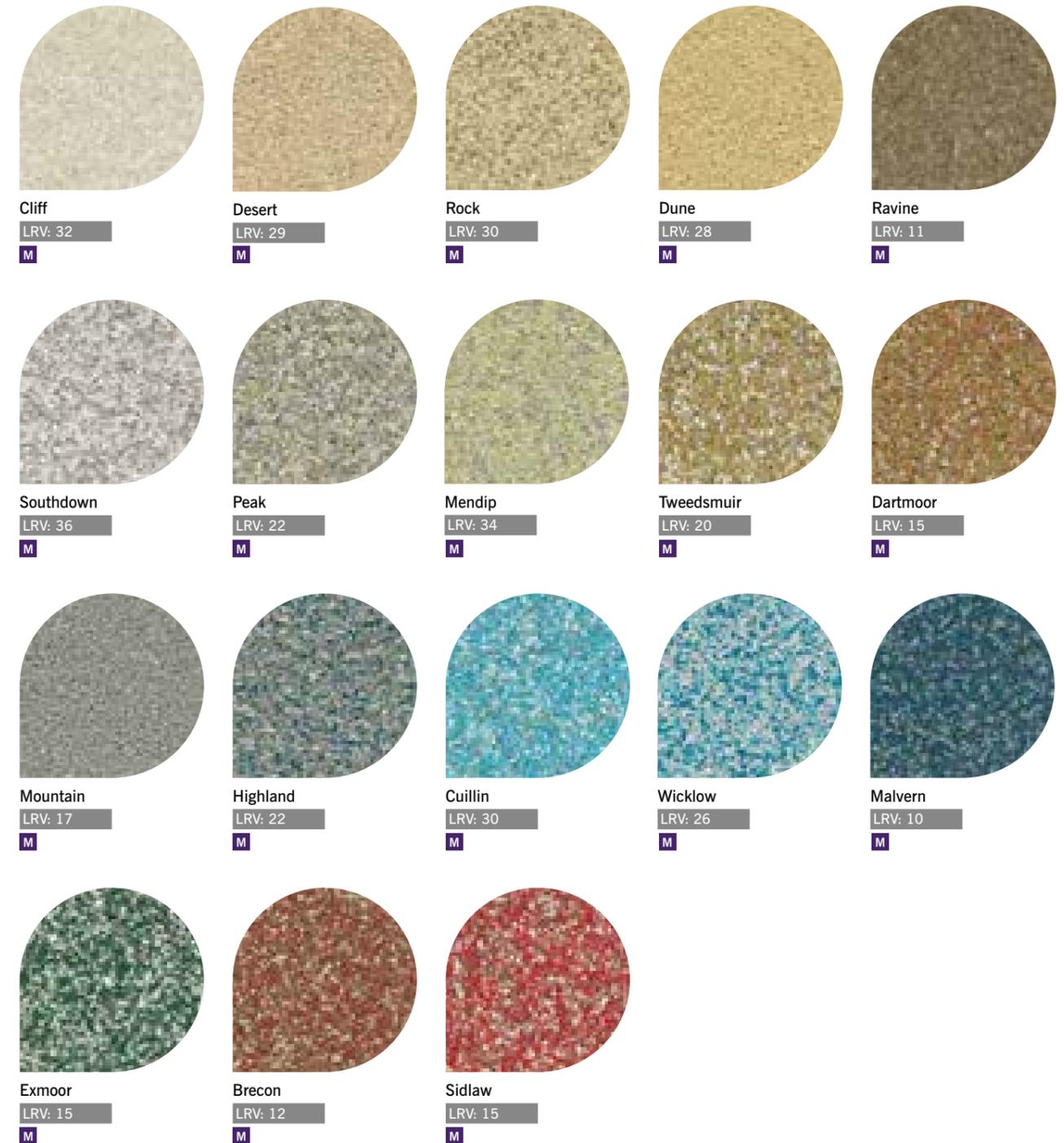
We also offer a **5mm Rapicure standard variant** for a quicker return to service*. This system offers a rapid cure decorative quartz screed ready to step on in less than half the time of conventional epoxy systems. It has the added benefit of not producing the odours associated with methyl methacrylate (MMA) based systems. For areas where there is an increased risk of slipping we have the **5mm Rapicure slip-resistant variant** for a complete Rapicure system with slip-resistant aggregates incorporated into the seal coat.

All these variants can be laid to falls and can be finished with an optional Altro Seal water-based matt, which is a polyurethane resin seal, if required.

*When site conditions are comparable (ambient or substrate temperature, humidity and ventilation).

- Looks great with:
- Altro Whiterock system
 - Altro Fortis system

Please see technical chart on pages 22-23 for further details.



Key for variant colours			
M	3mm standard variant / 3mm slip-resistant variant	Q	5mm Rapicure standard variant / 5mm Rapicure slip-resistant variant
N	4mm standard variant / 4mm slip-resistant variant	R	6mm standard variant / 6mm slip-resistant variant
P	4mm static-dissipative variant		

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5) It is possible to cove with the Altro Screed variants.

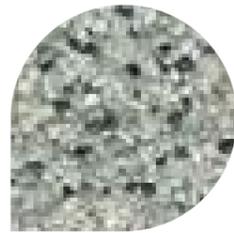
Dark coloured Altro Screed variants will highlight any defects such as roller lines and scratches. Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

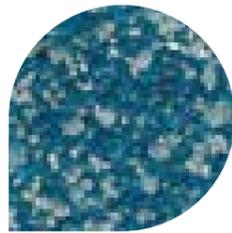
☎ 01462 707 700
✉ samples@altro.com



Opal
LRV: 25
N Q R



Alcazar
LRV: 24
N Q R



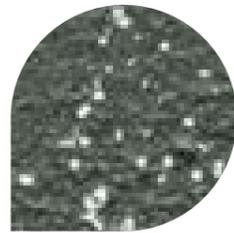
Lapis
LRV: 14
N Q R



Turquoise
LRV: 26
N Q R



Almas
LRV: 41
N Q R



Kyanite
LRV: 9
N Q R



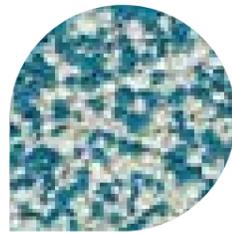
Onyx
LRV: 8
N Q R



Iona
LRV: 5
N Q R



Pyrite
LRV: 20
N Q R



Ula
LRV: 22
N Q R



Rachelle
LRV: 19
N Q R



Greta
LRV: 21
N Q R



Pearl
LRV: 33
N Q R



Narooma
LRV: 14
N Q R



Amber
LRV: 41
N Q R



Giza
LRV: 27
N Q R



Peketo
LRV: 14
N Q R



Citrine
LRV: 26
N Q R



Yakootah
LRV: 23
N Q R



Jumaana
LRV: 44
N Q R

Key for variant colours

M 3mm standard variant / 3mm slip-resistant variant	Q 5mm Rapicure standard variant / 5mm Rapicure slip-resistant variant
N 4mm standard variant / 4mm slip-resistant variant	R 6mm standard variant / 6mm slip-resistant variant
P 4mm static-dissipative variant	

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)
It is possible to cove with the Altro Screed variants.

Dark coloured Altro Screed variants will highlight any defects such as roller lines and scratches.

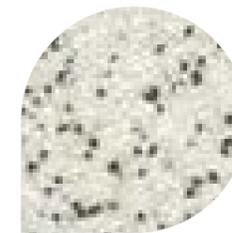
Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

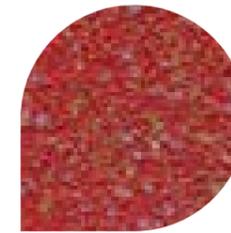
LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

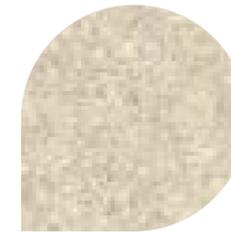
☎ 01462 707 700
✉ samples@altro.com



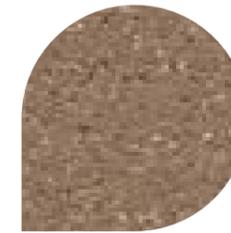
Chrystal
LRV: 44
N Q R



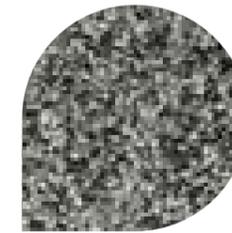
Soraya
LRV: 13
N Q R



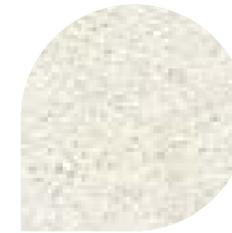
Ivory Soapstone
LRV: 41
N



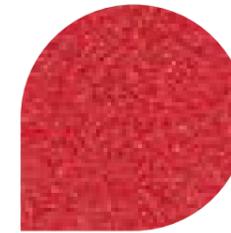
Desert Fossilstone
LRV: 17
N



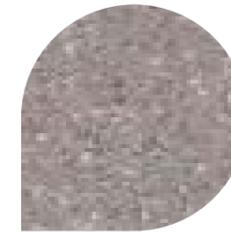
Coulomb
LRV: 16
P



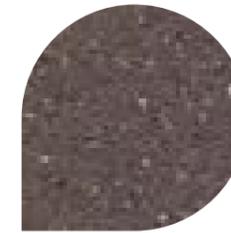
Moonstone
LRV: 50
N Q R



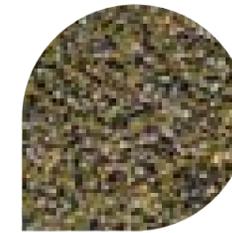
Jola
LRV: 15
N Q R



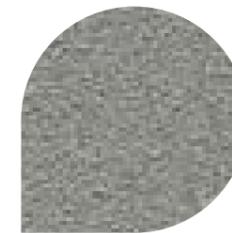
Bath Stone
LRV: 23
N



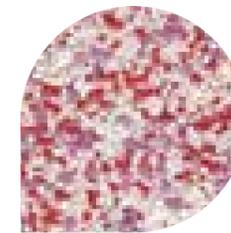
Chicago Brownstone
LRV: 9
N



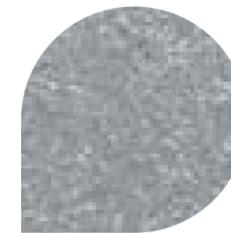
Joule
LRV: 11
P



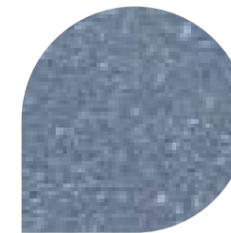
Selenite
LRV: 19
N Q R



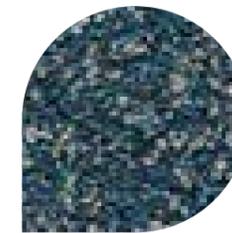
Cara
LRV: 34
N Q R



White Yorkstone
LRV: 40
N



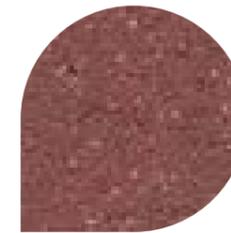
Blue Basalt
LRV: 11
N



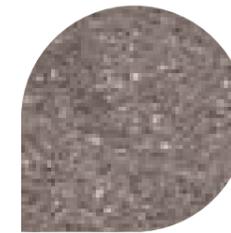
Faraday
LRV: 8
P



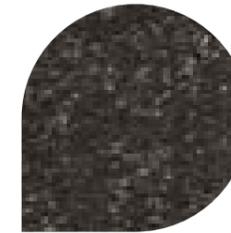
Tourmaline
LRV: 4
N Q R



Red Sandstone
LRV: 9
N



Silver Pumice
LRV: 18
N



Black Granite
LRV: 6
N

Key for variant colours

M 3mm standard variant / 3mm slip-resistant variant	Q 5mm Rapicure standard variant / 5mm Rapicure slip-resistant variant
N 4mm standard variant / 4mm slip-resistant variant	R 6mm standard variant / 6mm slip-resistant variant
P 4mm static-dissipative variant	

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)
It is possible to cove with the Altro Screed variants.

Dark coloured Altro Screed variants will highlight any defects such as roller lines and scratches.

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com

Altro Screed technical chart

Altro Screed				
Variant	3mm standard**	3mm slip-resistant***	4mm standard**	4mm slip-resistant***
Previously known as	Altro TB Screed™, Altro TB Screed Rapicure™	Altro TB Screed™ with Altro Screed Seal Rapicure Plus	Altro Multiscreed™ EP Naturals, AltroScreed Quartz™ EP and AltroScreed Quartz Boutique™	Altro Multiscreed™ EP Naturals, AltroScreed Quartz™ EP and AltroScreed Quartz Boutique™ with Altro Screed Seal Rapicure Plus
FeRFA type	n/a	n/a	6	6
Nominal thickness	3mm	3mm	4mm	4mm
Guarantee	6	6	10	10
Life expectancy	10	10	15	15
Impact resistance	Limited	Limited	Moderate	Moderate
Wear characteristics	Medium duty	Medium duty	Medium - heavy duty	Medium - heavy duty
Slip resistance BS 7976 PTV	-	≥40	-	≥40
Service temperature	0-60°C	0-60°C	0-60°C	0-60°C
Chemical resistance	Moderate	Moderate	Moderate	Moderate
Cleaning method	Scrubber dryer	Scrubber dryer	Scrubber dryer	Scrubber dryer
Specific applications	For medium duty areas where there is a low risk of slipping. Typical applications include laboratories, communal areas, custodial areas, offices and stairs.	For medium duty areas where there is an increased risk of slipping. Typical applications include restaurants and entrance areas.	For medium to heavy duty areas where there is a low risk of slipping. Typical applications include reception areas, atria, communal areas, walkways, corridors, custodial areas, retail offices, laboratories, food and drink packing, and clean rooms.	For medium to heavy duty areas where there is an increased risk of slipping. Typical applications include dining, PE changing areas, laboratories, laundries, custodial areas, canteens, retail and entrance areas.

Altro Screed				
4mm static-dissipative	5mm Rapicure standard	5mm Rapicure slip-resistant	6mm standard**	6mm slip-resistant***
AltroScreed Quartz EP SD™	AltroScreed Quartz Rapicure™	AltroScreed Quartz Rapicure™ Plus	AltroScreed Quartz EP™ and AltroScreed Quartz Boutique™	AltroScreed Quartz EP™ and AltroScreed Quartz Boutique™ with Altro Screed Seal Rapicure Plus
6	6	6	6	6
4mm	5mm	5mm	6mm	6mm
10	10	10	10	10
15	15	15	15	15
Moderate	Moderate	Moderate	Excellent	Excellent
Medium - heavy duty	Medium - heavy duty	Medium - heavy duty	Medium - heavy duty	Medium - heavy duty
-	-	≥40	-	≥40
0-60°C	0-60°C	0-60°C	0-60°C	0-60°C
Moderate	Moderate	Moderate	Moderate	Moderate
Scrubber dryer	Scrubber dryer	Scrubber dryer	Scrubber dryer	Scrubber dryer
For medium to heavy duty areas where there is a low risk of slipping. Typical applications include laboratories, electronics and static control environments. This variant has been measured in accordance with the test method laid out in BS 2050. This test method is a point to point surface resistance test. Typical Test values - 5x10 ⁴ -2x10 ⁶ ohms.	For medium to heavy duty areas where there is a low risk of slipping and a quicker return to service* is required. Typical applications include circulation areas, laboratories, arenas, custodial, retail, warehouses and pharmaceutical.	For medium to heavy duty areas where there is an increased risk of slipping and a quicker return to service* is required. Typical applications include canteens, laundries, CDT, custodial areas, changing rooms, food and drink packing areas.	For medium to heavy duty areas where there is a low risk of slipping. Typical applications include warehouses and factories.	For medium to heavy duty areas where there is an increased risk of slipping. Typical applications include industrial production areas.

For technical drawings see pages 52-67.

* When site conditions are comparable (ambient or substrate temperature, humidity and ventilation).

** With Altro Screed standard seal coat or Altro Screed standard Rapicure seal coat.

*** With Altro Screed slip-resistant seal coat or Altro Screed slip-resistant Rapicure seal coat.



Rio Architects, United Kingdom

Altro Flexiflow™

Polyurethane (PU)

Typical applications:

Commercial and light production areas. Classrooms. Corridors.

All the quality and robustness of an Altro resin, with one key difference – flexibility.

Altro Flexiflow can handle impact yet be flexible enough to move with your building. You can overlay day joints with it and it takes up building movement so you can also apply it over existing expansion joints, within certain tolerances*.

Altro Flexiflow is a polyurethane resin and couldn't be easier to install. It's self-smoothing, giving a seamless and uniform finish with uninterrupted lines, and it can be laid over green concrete with Altro Proof™ damp-proof membrane, to speed up installation.

It features a PUR top coat for UV colour stability, durability and ease of cleaning, and is available in 27 pastel, solid and bright colours with an eggshell-like finish.

The **2mm classic standard variant** combines flexibility with high levels of robustness so is ideal for light duty industrial premises with rolling loads.

The **2mm comfort standard variant** gives comfort underfoot and is perfect for environments where people are on their feet all day.

For areas where there is an increased risk of slipping we have the **2mm classic slip-resistant variant** or the **2mm comfort slip-resistant variant**.

* For application over building expansion joints, details of percentage elongation may be required. These can be provided by the appointed structural engineer. In the case of structural movement joints you may still need to bring the joint through the surface.



Looks great with:

- Altro Whiterock system
- Altro Fortis system

Please see technical chart on pages 28-29 for further details.



In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

The Altro Flexiflow colourway can be used in conjunction with a cove former for a uniform seamless finish.

The cosmetic UV stable Altro Flexiflow topcoat may be refreshed periodically throughout the life of the product. Bespoke colours may be available to order, lead-time and charges may apply.

Please refer to pages 4-5 for technical information on all the ranges.



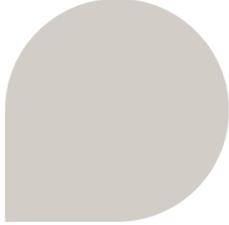
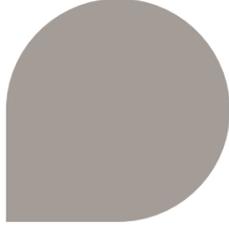
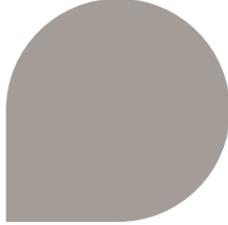
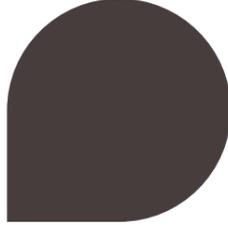
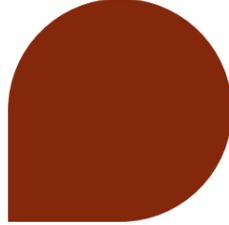
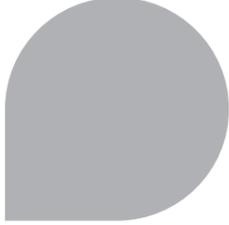
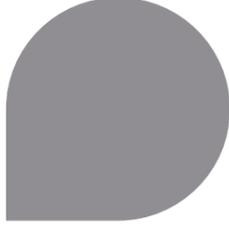
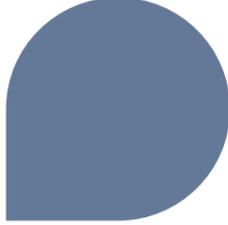
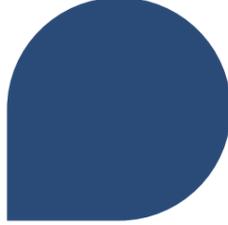
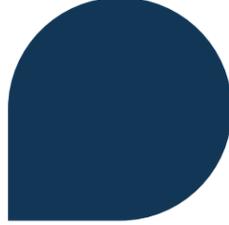
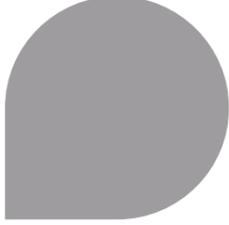
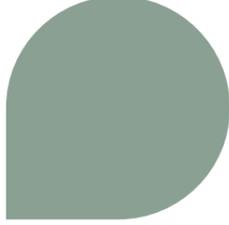
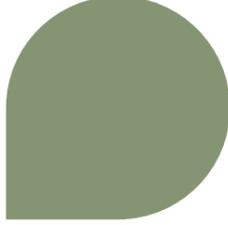
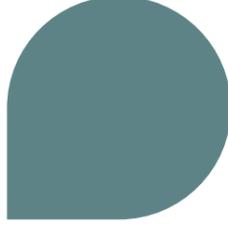
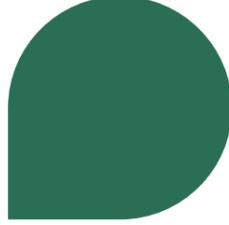
When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

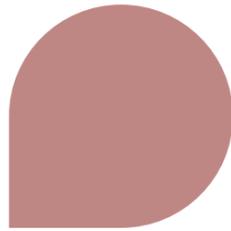


Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com

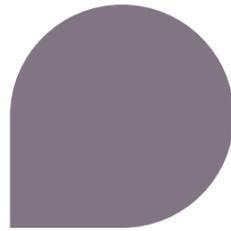
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 Dawn LRV: 44 S	 Flint LRV: 28 S	 Wedgewood LRV: 17 S	 Sark LRV: 11 S	 Indigo LRV: 5 S
 Gunmetal LRV: 21 S	 Spruce LRV: 19 S	 Jade LRV: 29 S	 Cyprus LRV: 23 S	 Patina LRV: 13 S

Key for variant colours
S 2mm classic standard variant / 2mm classic slip-resistant variant / 2mm comfort standard variant / 2mm comfort slip-resistant variant



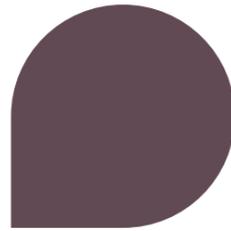
Ramone

LRV: 34



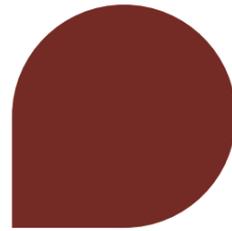
Norfolk

LRV: 19



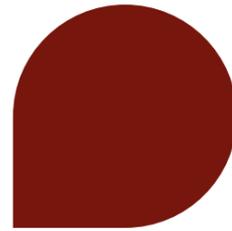
Magic

LRV: 10



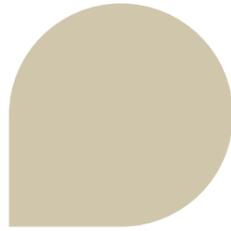
Magenta

LRV: 14



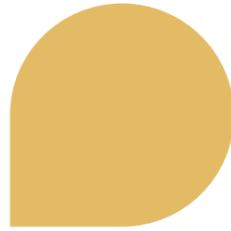
Wine Red

LRV: 9



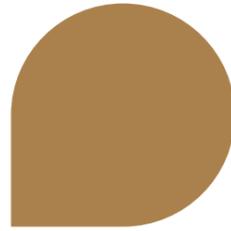
Portland Grey

LRV: 44



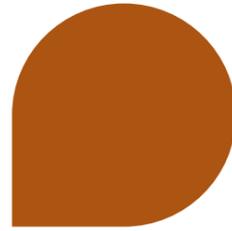
Topaz

LRV: 47



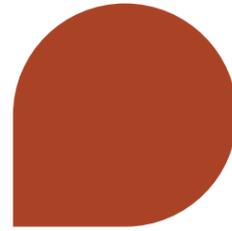
Toast

LRV: 30



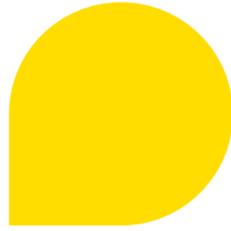
Ranch

LRV: 16



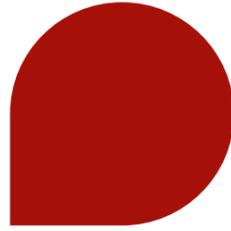
Tropic

LRV: 20



Safety Yellow*†

LRV: 52



Safety Red*†

LRV: 18



† Safety Red and Safety Yellow are intended for line marking and small areas of demarcation only. Dark colours will highlight any defects such as roller lines and scratches.

* Safety Red, Safety Yellow and White are not included in Altro resins standard colour range. Bespoke non-standard colours will be subject to additional lead time and possibly increased cost.

Key for variant colours

S 2mm classic standard variant / 2mm classic slip-resistant variant / 2mm comfort standard variant / 2mm comfort slip-resistant variant

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

The Altro Flexiflow colourway can be used in conjunction with a cove former for a uniform seamless finish.

The cosmetic UV stable Altro Flexiflow topcoat may be refreshed periodically throughout the life of the product. Bespoke colours may be available to order, lead-time and charges may apply.

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700

✉ samples@altro.com



Altro Flexiflow technical chart

	Altro Flexiflow	
Variant	2mm classic standard	2mm classic slip-resistant
Previously known as	Altro Flexiflow™ standard	Altro Flexiflow™ standard slip-resistant
FeRFA type	5	5
Nominal thickness	2mm	2mm
Guarantee	6	6
Life expectancy	40**	40**
Impact resistance	Good	Good
Wear characteristics	Light / medium duty	Light / medium duty
Slip resistance BS 7976 PTV	-	≥36
Service temperature	0 - 30°C	0 - 30°C
Chemical resistance	Moderate	Moderate
Cleaning method	Wash and vacuum dry	Wash and vacuum dry
Specific applications	For light or medium duty areas where there is a low risk of slipping. Typical applications include corridors, workshops, light production areas, mezzanine decks, pharmaceutical, clean rooms, circulation / display / exhibition areas, museums, markets, commercial areas and offices.	For light or medium duty areas where there is an increased risk of slipping. Typical applications include corridors, workshops, light production areas, mezzanine decks, pharmaceutical, clean rooms, CDT areas, circulation / display / exhibition areas, museums, markets, commercial areas and offices.

	Altro Flexiflow	
	2mm comfort standard	2mm comfort slip-resistant
	Altro Flexiflow™ comfort	Altro Flexiflow™ comfort slip-resistant
	5	5
	2mm	2mm
	6	6
	40**	40**
	Good	Good
	Light / medium duty	Light / medium duty
	-	≥36
	0 - 30°C	0 - 30°C
	Moderate	Moderate
	Wash and vacuum dry	Wash and vacuum dry
	For light or medium duty areas where there is a low risk of slipping. Typical applications include light production areas, mezzanine decks, mental health seclusion rooms, low stimulus rooms, aged care facilities, retail, museums, galleries and atria.	For light or medium duty areas where there is an increased risk of slipping. Typical applications include light production areas, mezzanine decks, mental health seclusion rooms, low stimulus rooms, aged care facilities, retail, museums, galleries and atria.

For technical drawings see pages 52-67.

** Top coat will need to be refreshed.



British American Tobacco, United Kingdom

Altro Flow™

Epoxy (EP)

Typical applications:

Pharmaceutical. Industrial. Production.

When you need a floor that goes with the flow, look no further than Altro Flow – designed for areas requiring increased hygiene. Available in 25 colours in a high-gloss finish, it offers good chemical and impact resistance for areas where there is a low risk of slipping.

This solvent-free epoxy resin system for application on to a level floor offers a smooth seamless surface. Typical applications include pharmaceutical, industrial and production areas.

Altro Flow comes in a choice of **1mm standard**, **2mm standard** and **3mm standard variants** to suit the different demands of your environment.

There is also the option of a **3mm static-dissipative variant** for where there are electronically sensitive environments and equipment. It provides all the performance benefits of epoxy resin flooring and is generally installed over a perimeter ring (or grid) of conductive tape which can be connected to electrical earth, to control the passage of electro-static charge through an in-built path. This variant is measured in accordance with test method BS 2050 when used on prepared substrates treated with Altro Prime™ static-dissipative variant.

For areas where there is an increased risk of slipping – please see Altro Grip systems pages 12-17.



Key for variant colours

- U 1mm standard variant
- V 2mm standard variant
- W 3mm standard variant / 3mm static-dissipative variant

- Looks great with:
- Altro Whiterock White
 - Altro Whiterock Satins
 - Altro Fortis system
 - Altro Reliance 25
 - Altro Classic 25

Please see technical chart on page 33 for further details.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)
In common with other single colour high gloss finishes, Altro Flow may exhibit scratching with traffic and abrasion, this is particularly prominent in darker colours.

To minimise this effect various options are available ie correct maintenance and entrance matting.

A metallised maintenance coating, such as Altro Gloss 211 can offer ongoing protection, subject to customer requirements and environment.

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



Key for variant colours

- U 1mm standard variant
- V 2mm standard variant
- W 3mm standard variant / 3mm static-dissipative variant

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)
In common with other single colour high gloss finishes, Altro Flow may exhibit scratching with traffic and abrasion, this is particularly prominent in darker colours.

To minimise this effect various options are available ie correct maintenance and entrance matting.
A metallised maintenance coating, such as Altro Gloss 211 can offer ongoing protection, subject to customer requirements and environment.
Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com

Altro Flow technical chart

	Altro Flow			
Variant	1mm standard	2mm standard	3mm standard	3mm static-dissipative
Previously known as	AltroFlow™ EP 1000	AltroFlow™ EP 2000	AltroFlow™ EP 3000	AltroStat™ SD
FeRFA type	5	5	5	5
Nominal thickness	1mm	2mm	3mm	3mm
Guarantee	6	6	6	6
Life expectancy	10	10	10	10
Impact resistance	Good	Good	Good	Good
Wear characteristics	Medium duty	Medium duty	Medium duty	Medium duty
Slip resistance BS 7976 PTV	-	-	-	-
Service temperature	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good	Good	Good
Cleaning method	Wash and vacuum dry	Wash and vacuum dry	Wash and vacuum dry	Wash and vacuum dry
Specific applications	For medium duty areas where there is a low risk of slipping. Typical applications include warehousing and storage areas.	For medium duty areas where there is a low risk of slipping. Typical applications include warehousing, vehicle workshops, pharmaceutical areas, reception areas, corridors, clean rooms, hospital sterilisation and decontamination units.	For medium duty areas where there is a low risk of slipping. Typical applications include high traffic and wheeled traffic areas such as warehousing, vehicle workshops, production areas and packing areas, clean rooms, hospital sterilisation and decontamination units.	For medium duty areas where there is a low risk of slipping. Typical applications include control rooms, ICT areas and electronic assembly. This variant has been measured in accordance with the test method laid out in BS 2050. This test method is a point to point surface resistance test. Typical Test values - 5x10 ⁴ -2x10 ⁶ ohms.

For technical drawings see pages 52-67.



Angel Square, United Kingdom. Design: www.shed-design.com, Photo: James Medcraft

Altro Mosaic™

Epoxy (EP)

Typical applications:

Reception areas. Atria. Communal areas. Walkways. Corridors.

Altro Mosaic epoxy resin is available in different systems that encapsulate decorative acrylic flakes to give different finishes: matt or gloss.

Choose from a range of 15 different designs for a decorative multi-layer finish that can be applied to walls and floors and looks great as an accent for feature areas.

Altro Mosaic has a nominal thickness of 1.25mm.

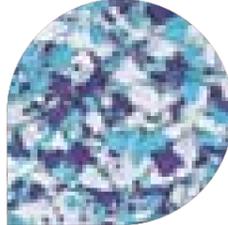
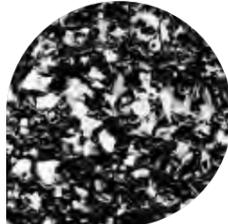
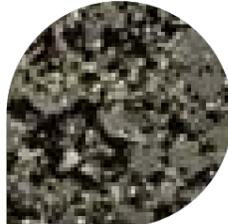
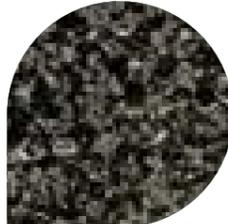
The **standard matt variant** provides a glazed, matt finish. It has a full blind of multi-coloured acrylic flakes in a coloured Altro Tect™ standard variant, sealed with three coats of the clear Altro Tect standard variant, and a final coat of Altro Seal™ water-based matt which is a polyurethane resin seal.

The **standard gloss variant** has a textured and glossy finish. It has a full blind of multi-coloured paint flakes added to a coloured Altro Tect standard variant and sealed with two coats of the clear Altro Tect standard variant.

For application to walls, the glazed matt appearance is available as our **vertical matt variant**. The gloss finish is available as our **vertical gloss variant**.

- Looks great with:
- Altro Fortis system
 - Altro Whiterock Satins
 - Altro Whiterock Digi clad
 - Altro Flow
 - Altro Tect

Please see technical chart on page 37 for further details.

 Cumulus LRV: 40 Y	 Squall LRV: 19 Y	 Rain LRV: 23 Y	 Daylight LRV: 34 Y	 Tropical LRV: 32 Y
 Levanter LRV: 35 Y	 Mist LRV: 35 Y	 Isobar LRV: 11 Y	 Forties LRV: 27 Y	 Solstice LRV: 19 Y
 Haze LRV: 23 Y	 Sandstorm LRV: 10 Y	 Equinox LRV: 15 Y	 Thunder LRV: 10 Y	 Nimbus LRV: 6 Y

Key for variant colours
 Y Standard matt variant / standard gloss variant
 vertical matt variant / vertical gloss variant

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

01462 707 700
samples@altro.com

Altro Mosaic technical chart

Variant	Altro Mosaic			
	Standard matt	Standard gloss	Vertical matt	Vertical gloss
Previously known as	Altro Mosaic™ Glaze	Altro Mosaic™ Texture	Altro Mosaic™ Glaze vertical version	Altro Mosaic™ Texture vertical version
FeRFA type	4	4	4	4
Nominal thickness	1 - 1.5mm	1 - 1.5mm	1 - 1.5mm	1 - 1.5mm
Guarantee	6	6	6	6
Life expectancy	8	8	8	8
Impact resistance	Limited	Limited	Limited	Limited
Wear characteristics	Medium duty	Medium duty	Medium duty	Medium duty
Slip resistance BS 7976 PTV	-	-	-	-
Service temperature	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good	Good	Good
Cleaning method	Wash and vacuum dry	Wash and vacuum dry	Wash and dry	Wash and dry
Specific applications	For medium duty areas where there is a low risk of slipping. Typical applications include atria, reception areas, corridors, walkways and communal areas.	For medium duty areas where there is a low risk of slipping. Typical applications include atria, reception areas, corridors, walkways and communal areas.	Can be used vertically in medium duty areas. Typical applications include WCs and circulation spaces.	Can be used vertically in medium duty areas. Typical applications include WCs and circulation spaces.

For technical drawings see pages 52-67.



Monarch Aircraft Engineering, United Kingdom

Altro Tect™

Epoxy (EP)

Typical applications:

General industry. Warehousing. Storage. Defence.

This popular solvent-free high-build epoxy resin is our most robust coating and is a great flooring solution for medium duty industrial areas.

Available in a wide variety of colours and with a gloss finish, Altro Tect gives good chemical and abrasion resistance. It has a nominal thickness of 350-500 microns and it should be applied in two coats directly to the substrate.

We offer a **standard variant** for where there is a low risk of slipping.

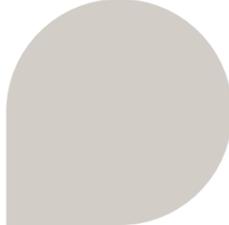
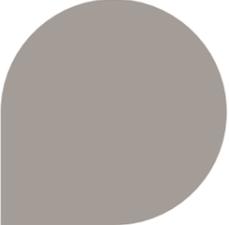
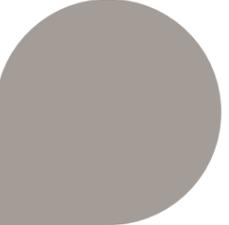
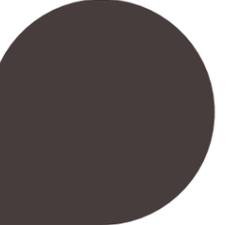
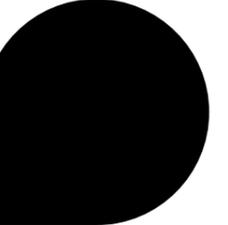
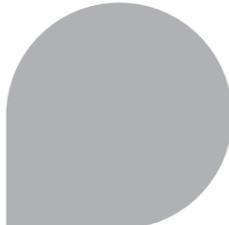
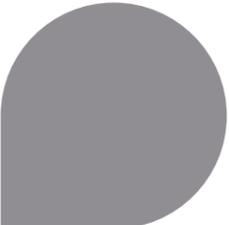
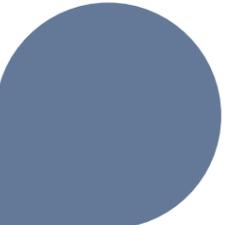
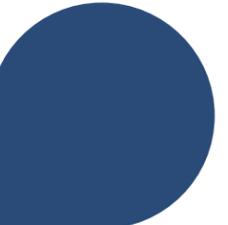
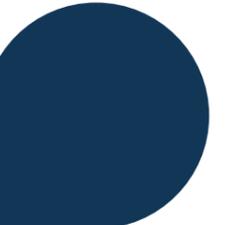
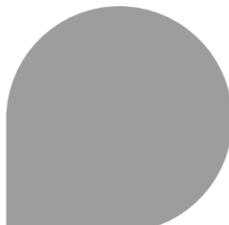
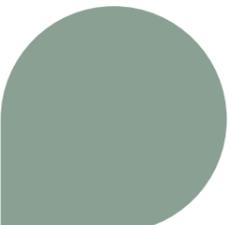
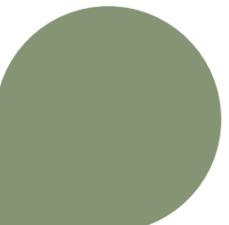
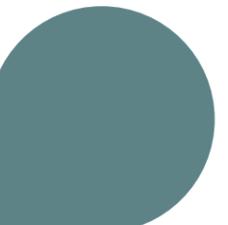
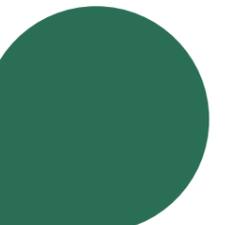
For areas where there is an increased risk of slipping we have a **slip-resistant variant** which includes a micaceous mineral which lightly textures the surface.

If damp substrates are a concern we have a **moisture-tolerant variant** which is a self-priming first coat system that receives high-build coloured coatings. This coating system facilitates progression of fast-track construction projects, reducing application schedules to as little as 21 days subsequent to concrete installation.

For walls we have a **vertical variant**.

- Looks great with:
- Altro Crete
 - Altro Fortis system
 - Altro Whiterock system

Please see technical chart on page 41 for further details.

 Cloud LRV: 50 Z Aa	 Doe LRV: 35 Z Aa	 Winter Grey LRV: 19 Z Aa	 Burnt Chocolate LRV: 5 Z Aa	 Black† LRV: 0.5 Z Aa
 Dawn LRV: 42 Z Aa	 Flint LRV: 28 Z Aa	 Wedgewood LRV: 20 Z Aa	 Sark LRV: 10 Z Aa	 Indigo LRV: 3 Z Aa
 Gunmetal LRV: 23 Z Aa	 Spruce LRV: 29 Z Aa	 Jade LRV: 28 Z Aa	 Cyprus LRV: 21 Z Aa	 Patina LRV: 11 Z Aa

Altro Tect standard, slip-resistant and vertical variants are also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

Key for variant colours

- Z Standard variant / slip-resistant variant / vertical variant
- Aa Moisture-tolerant variant

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

In common with other single colour high gloss finishes, Altro Tect may exhibit scratching with traffic and abrasion, this is particularly prominent in darker colours.

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



Altro Tect standard, slip-resistant and vertical variants are also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

* For safety colours, light or vibrant coloured coatings, a white undercoat should be used and additional coats may be required. Safety Red, Safety Yellow and White are not included in Altro resins standard colour range. Bespoke non-standard colours will be subject to additional lead time and possibly increased cost.

Altro Tect technical chart

	Altro Tect			
Variant	Standard	Slip-resistant	Vertical	Moisture-tolerant
Previously known as	AltroTect™	AltroTect™ Plus	AltroTect™ V	AltroTect™ MT
FeRFA type	3	3	3	3
Nominal thickness	350 - 500 microns	350 - 500 microns	350 - 500 microns	350 - 500 microns
Guarantee	3	3	3	3
Life expectancy	7	7	7	7
Impact resistance	Limited	Limited	Limited	Limited
Wear characteristics	Medium duty	Medium duty	Medium duty	Medium duty
Slip resistance BS 7976 PTV	-	≥36	-	Dependent on system
Service temperature	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good	Good	Good
Cleaning method	Wash and vacuum dry	Wash and vacuum dry	Wash and dry	Wash and vacuum dry
Specific applications	For medium duty areas where there is a low risk of slipping. Typical applications include packing, warehousing, aircraft servicing, plant rooms, storage areas and workshops.	For medium duty areas where there is an increased risk of slipping. Typical applications include packing, warehousing, aircraft servicing, plant rooms, workshops and storage areas.	Can be used vertically in medium duty areas where there is a requirement to meet the need for good chemical resistance.	For where there is new concrete or where damp substrates are a concern. To be used as a priming coat under Altro Tect standard variant or Altro Tect slip-resistant variant.

For technical drawings see pages 52-67.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

In common with other single colour high gloss finishes, Altro Tect may exhibit scratching with traffic and abrasion, this is particularly prominent in darker colours.

Please refer to pages 4-5 for technical information on all the ranges.

Key for variant colours

- Z Standard variant / slip-resistant variant / vertical variant
- Aa Moisture-tolerant variant

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



Bermondsey Kappacasein, United Kingdom

Altro Coat™

Epoxy (EP)

Typical applications:

Warehousing storage. Plant rooms.

Don't have time to wait for your substrate to dry? This water-miscible epoxy resin cleverly allows moisture vapour to leave the substrate while forming a barrier against contamination from above.

Altro Coat is a fast-track solution for light to medium duty areas and is great for use on newly installed cementitious substrates. Available in a wide range of colours, it is a two-coat system with approximately 90 microns per coat.

We offer an eggshell-like finish **standard variant**.

For areas where there is an increased risk of a slipping we have a **slip-resistant variant** which includes a micaceous mineral that lightly textures the surface.

For a durable eggshell-like finish wall coating we have a **vertical variant**.

Cloud LRV: 44 Ab	Doe LRV: 32 Ab	Winter Grey LRV: 16 Ab	Burnt Chocolate LRV: 5 Ab	Black† LRV: 0.7 Ab
Dawn LRV: 38 Ab	Flint LRV: 24 Ab	Wedgewood LRV: 14 Ab	Sark LRV: 9 Ab	Indigo LRV: 3 Ab
Gunmetal LRV: 22 Ab	Spruce LRV: 20 Ab	Jade LRV: 28 Ab	Cyprus LRV: 20 Ab	Patina LRV: 10 Ab

Altro Coat is also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

- Looks great with:
- Altro Fortis system
 - Altro Whiterock system

Please see technical chart on page 45 for further details.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

Key for variant colours

Ab Standard variant / slip-resistant variant / vertical variant

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



Altro Coat is also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

* For safety colours, light or vibrant coloured coatings, a white undercoat should be used and additional coats may be required. Safety Red, Safety Yellow and White are not included in Altro resins standard colour range. Bespoke non-standard colours will be subject to additional lead time and possibly increased cost.

Altro Coat technical chart

	Altro Coat		
Variant	Standard	Slip-resistant	Vertical
Previously known as	AltroCoat™	AltroCoat™ Plus	AltroCoat™ V
FeRFA type	2	2	2
Nominal thickness	180 microns	180 microns	180 microns
Guarantee	2	2	2
Life expectancy	5	5	5
Impact resistance	Limited	Limited	Limited
Wear characteristics	Light - medium duty	Light - medium duty	Light - medium duty
Slip resistance BS 7976 PTV	-	≥36	-
Service temperature	0 - 60°C	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good	Good
Cleaning method	Wash and vacuum dry	Wash and vacuum dry	Wash and dry
Specific applications	For light to medium duty areas where there is a low risk of slipping. Typical applications include plant rooms and warehouses.	For light to medium duty areas where there is an increased risk of slipping. Typical applications include warehousing storage, back of house areas and plant rooms.	For light to medium duty areas. Can be used vertically in custodial areas, circulation spaces, ceilings, back of house areas and warehousing storage.

For technical drawings see pages 52-67.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

Key for variant colours
Ab Standard variant / slip-resistant variant / vertical variant

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
 ✉ samples@altro.com



University of Manchester Graphene Institute, United Kingdom. Photo: Trevor Palin

Altro Seal

Polyurethane (PU)

Typical applications:

Packing areas. Pharmaceutical. Craft and design rooms. Areas requiring increased chemical resistance.

This solvent-based polyurethane resin seal with a high sheen finish is ideal for light duty areas where colour stability and chemical resistance are required. It is readily cleaned and maintained providing a hygienic surface finish.

Altro Seal is resistant to a wide range of chemicals and UV light and can also be used as a final seal coat to give extra chemical resistance to epoxy resin systems. It has approximately 90 microns per coat and is available in coloured and clear.

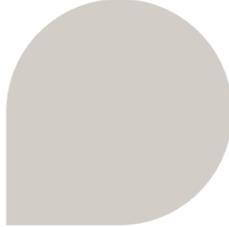
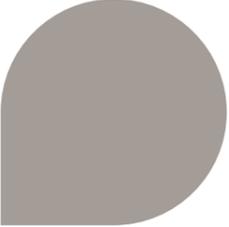
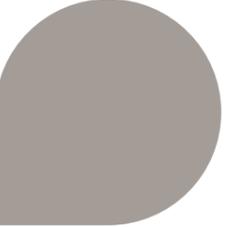
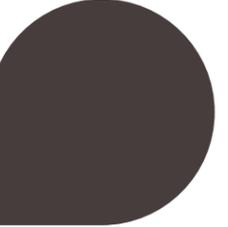
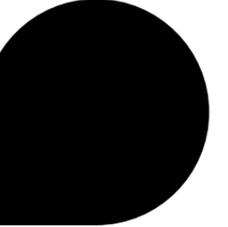
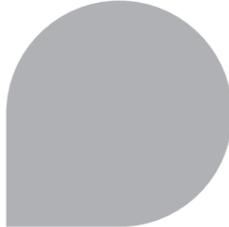
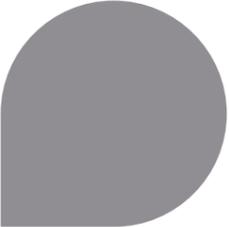
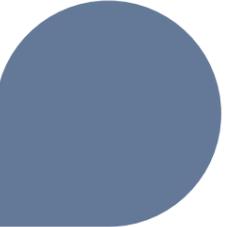
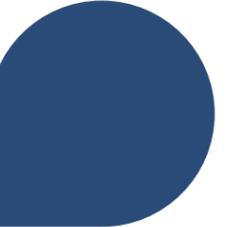
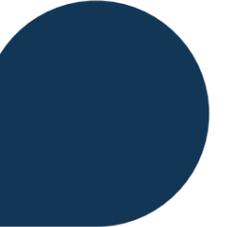
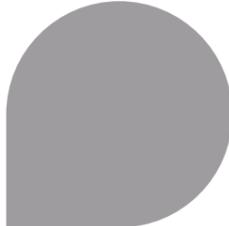
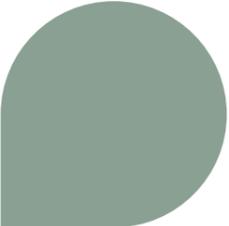
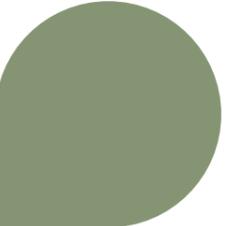
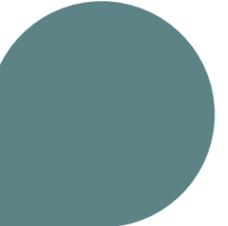
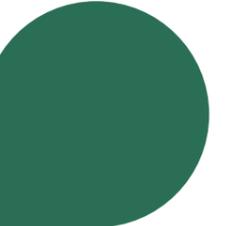
We offer a **standard variant** for where there is a low risk of slipping.

For areas where there is an increased risk of slipping we have a **slip-resistant variant** which includes a micaceous mineral that lightly textures the surface.

For application to walls we provide a **vertical variant** which is a chemically and UV resistant coating for improved colour stability in light colours, although additional coats may be required over darker substrates.

- Looks great with:
- Altro Fortis system
 - Altro Whiterock system

Please see technical chart on page 49 for further details.

 Cloud LRV: 44 Ac	 Doe LRV: 32 Ac	 Winter Grey LRV: 16 Ac	 Burnt Chocolate LRV: 5 Ac	 Black† LRV: 0.7 Ac
 Dawn LRV: 38 Ac	 Flint LRV: 24 Ac	 Wedgewood LRV: 14 Ac	 Sark LRV: 9 Ac	 Exmoor LRV: 15 Ac
 Gunmetal LRV: 22 Ac	 Spruce LRV: 20 Ac	 Jade LRV: 28 Ac	 Cyprus LRV: 20 Ac	 Patina LRV: 10 Ac

Altro Seal is also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

Key for variant colours
Ac Standard variant / slip-resistant variant / vertical variant

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



Altro Seal is also available in clear.

† Safety Red, Safety Yellow and Black are intended for line marking and small areas of demarcation only. Dark colours, in particular Black, will highlight any defects such as roller lines and scratches.

* For safety colours, light or vibrant coloured coatings, a white undercoat should be used and additional coats may be required. Safety Red, Safety Yellow and White are not included in Altro resins standard colour range. Bespoke non-standard colours will be subject to additional lead time and possibly increased cost.

Altro Seal technical chart

	Altro Seal		
Variant	Standard	Slip-resistant	Vertical
Previously known as	AltroSeal™ UVR	AltroSeal™ Plus	AltroSeal™ UVR
FeRFA type	1	1	1
Nominal thickness	90 - 180 microns	90 - 180 microns	90 - 180 microns
Guarantee	2	2	2
Life expectancy	5	5	5
Impact resistance	Limited	Limited	Limited
Wear characteristics	Light duty	Light duty	Light duty
Slip resistance BS 7976 PTV	-	≥36	-
Service temperature	0 - 60°C	0 - 60°C	0 - 60°C
Chemical resistance	Good	Good	Good
Cleaning method	Wash and vacuum dry	Wash and vacuum dry	Wash and dry
Specific applications	For light duty areas where there is a low risk of slipping. Typical applications include chemical storage, craft and design areas in education, and aircraft servicing.	For light duty areas where there is an increased risk of slipping. Typical applications include chemical storage, craft and design areas in education, and aircraft servicing.	For light duty areas where there is a requirement to meet the need for good chemical resistance.

For technical drawings see pages 52-67.

i In general, flooring will follow the profile of the underlying substrate. The surface profile may be reflected in thinner resin flooring types. This will affect the appearance and wear. (FeRFA types 1, 2, 3, 4 and 5)

Please refer to pages 4-5 for technical information on all the ranges.

Key for variant colours
 Ac Standard variant / slip-resistant variant / vertical variant

When ordering: always ensure you quote the full product range and variant descriptor.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material.

01462 707 700

samples@altro.com

Subfloors

Altro Pol™

Altro Pol is used for the polymer modification of cementitious systems and supports our range of floor finishes. Designed to enhance the physical properties of cement based floor screeds and repair compounds, it improves flexural strength, impact and abrasion resistance.

Altro Pol is supplied as a white mobile liquid. It is readily diluted with water and then used to gauge the screed mixture of cement and aggregates to provide the desired performance and characteristics.

Screed thickness:

The minimum recommended screed design thickness using Altro Pol in the mix is as follows:

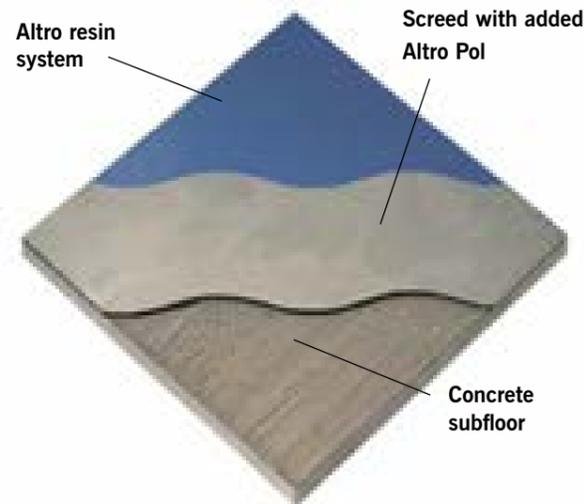
- 6mm epoxy, slurry bonded
- 50mm un-bonded
- 75mm floating

Where to use it:

- thin section floor screeds
- repairs to the surface of damaged or tamped finish concrete
- base to receive resilient floor coverings and resin finishes
- screeds of varying thickness to install falls for drainage purchases
- patching of worn or damaged concrete

Benefits:

- faster curing to allow early overlayment
- reduced drying time and increased strength
- easy to use single component, gauged as required
- thinner screeds with excellent durability and impact resistance
- superb adhesion, maintained even in wet conditions



You may also be interested in this...

Altro XpressLay™ safety flooring may be laid over new concrete floors with up to 97% relative humidity or in areas subject to damp.

Altro Proof™

Altro Proof allows for early installation of floor coverings or coatings over green concrete making it ideal for using in fast-track building operations or refurbishment projects.

This damp-proof membrane is an effective single coat application providing protection across a range of moisture contents from relative humidity of more than 75% to 97% wet (surface dry).

Altro Proof is available in two variants: our **standard variant** (formerly known as AltroProof Solo Universal) and our **fast-track variant** (formerly known as AltroProof Solo Fast Track). Our fast-track variant has the added advantage of an extra-short cure, saving time by enabling suitable moisture tolerant smoothing compounds to be laid on the same day.

Both variants are quick and easy-to-apply and provide excellent adhesion under adverse conditions.

Altro resilient floors and Altro resins can be installed directly over Altro Proof, with the Altro Proof guarantee matching the product guarantee when installed as part of the Altro system.

Altro Prime™

Altro Prime is available in six variants:

The **standard variant** is a durable solvent-free epoxy primer system coat designed for bonding Altro resin flooring systems to the existing substrate. Typically used under epoxy coatings or epoxy screed systems. It's easy to apply and has low odour and excellent adhesion to concrete. This variant was previously known as AltroPrime™ EP.

The **fast-track variant** is designed to cure quickly for fast-track installations. It's a solvent free epoxy resin primer used in areas where Altro epoxy resin toppings require a fast-track priming agent. This variant was previously known as AltroPrime™ 90.

The **consolidating variant** is a solvent-free, very low viscosity epoxy primer system designed for bonding Altro resin flooring systems to existing substrate. It acts as a penetrating primer and improves the strength of the substrate while helping to prevent bubbles and pinholes. It is particularly suitable under flow applied epoxy and polyurethane systems and polyurethane screeds. This variant was previously known as Altro Consolidating Primer™.

The **oil-tolerant variant** has a nominal thickness 150-200 microns / coat and is a solvent-free primer for oil contaminated substrates. It is supplied as a one or two coat system and is suitable for underlayment of resin systems and Altro resilient floors. Typical areas of use include garage floors, engineering workshops, factory / warehouse refurbishment and oil contaminated substrates that are subject to a change of use. This variant was previously known as AltroPrime™ OCS.

The **ceramic variant** is a twin-pack solvent-free epoxy primer designed to provide a secure bond to suitable and prepared glazed surfaces. When applied in line with installation guidelines this specialist primer will provide a strong bond between the correctly prepared substrate and the subsequent Altro resin overlayment. It can be installed over material such as fully and semi-vitrified ceramics, quarry tiles, marble or cementitious terrazzo. It is typically used in areas such as wet rooms, toilets and commercial kitchens. This variant was previously known as AltroPrime G.

The **static-dissipative variant** is sold only as part of the system for the Altro Flow 3mm static-dissipative and Altro Screed 4mm static-dissipative variants.

Please see the technical data sheets for installation guidance, or contact Altro resins.

Accessories

Installation of a floor from the base concrete slab to the final wearing surface will often demand products to create a sound and stable substrate of sufficient strength. The products listed fulfil those requirements and allow a comprehensive and detailed specification with single-point material guarantee.

Altro Expand™

Altro Expand can stretch to your needs. It is a chemically resistant, epoxy flexible jointing compound, specifically designed for industrial flooring. Altro Expand accommodates normal thermal and vibration movement while providing sufficient strength to protect joints from damage and erosion. Typical applications include expansion joints in old and new floors in factories, warehouses, workshops, hangars, etc. It is available in two variants depending on the application.

Product range: Altro Expand standard variant and Altro Expand vertical variant.

Altro Patch™

Altro Patch™ smooths over the rough edges. It is a rapid curing epoxy repair mortar, used to make good, fill voids or adjust surface levels, prior to the installation of a resin surface finish. It was previously known as AltroPatch UFC.

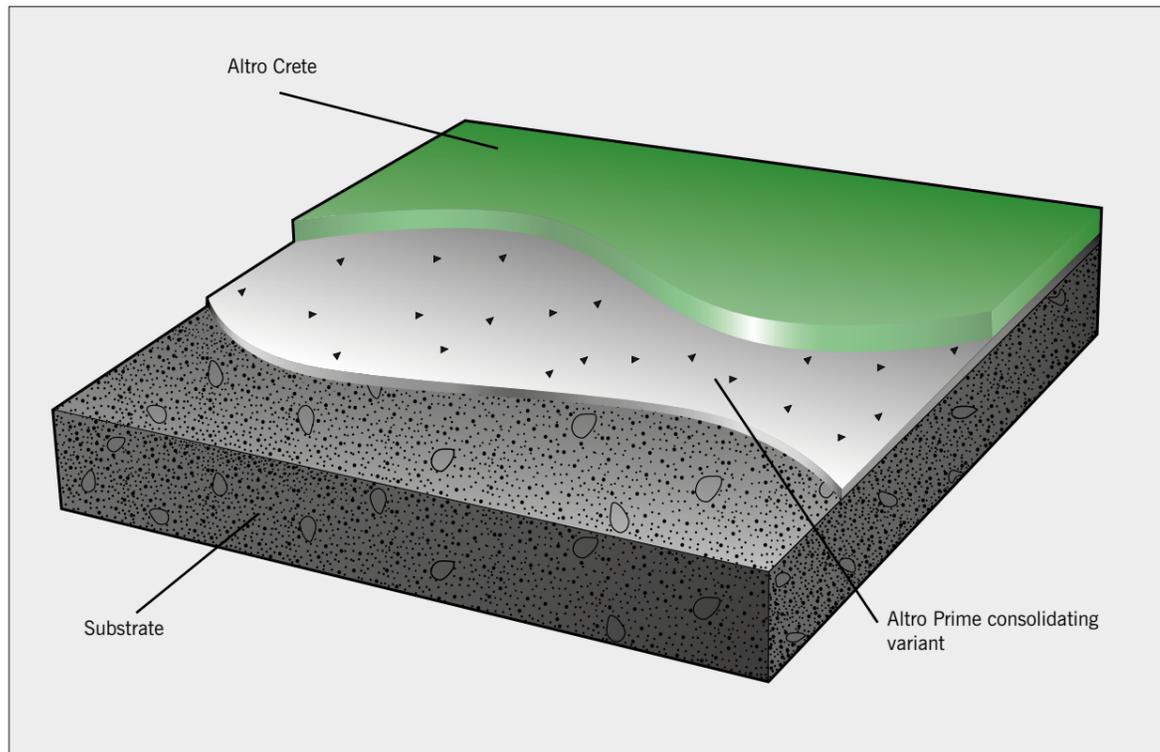
NBS specifications

NBS Plus model specification guides for M12 resin flooring are available in an NBS format from Altro, as hard copy, on disk or on www.altro.co.uk

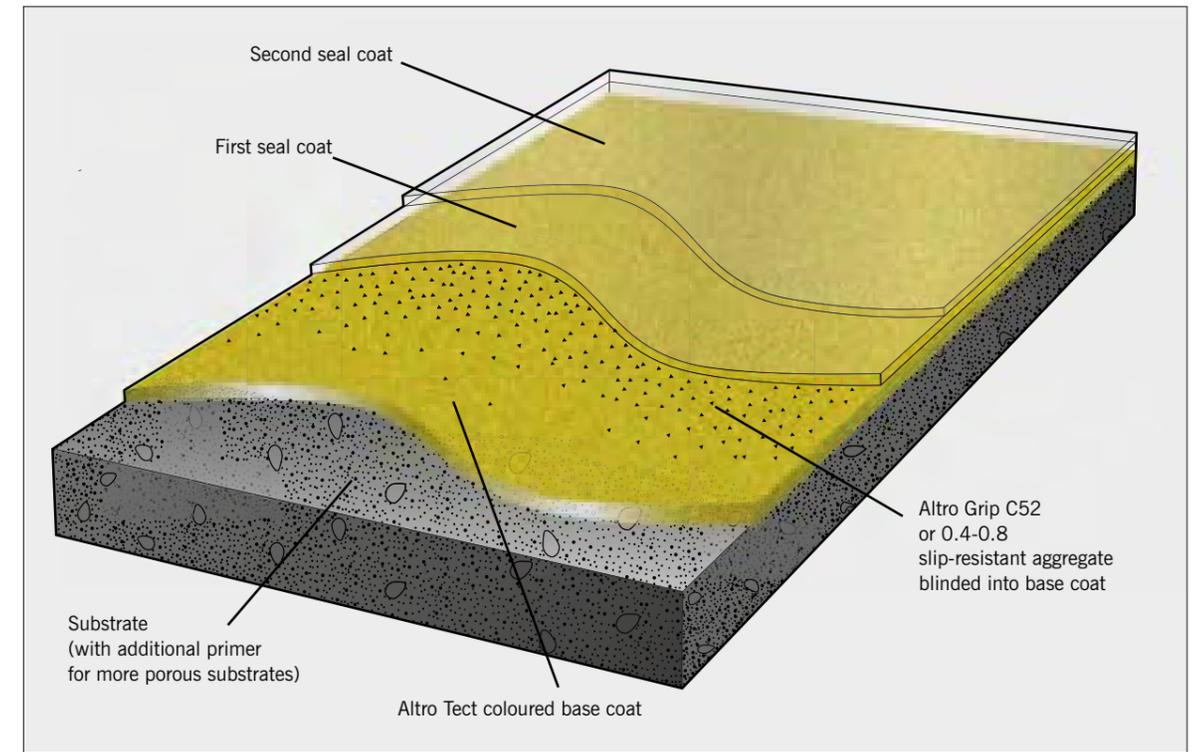
Altro will also be pleased to produce written specifications for its range of resin flooring upon request.

Contact 01462 707600 for information.

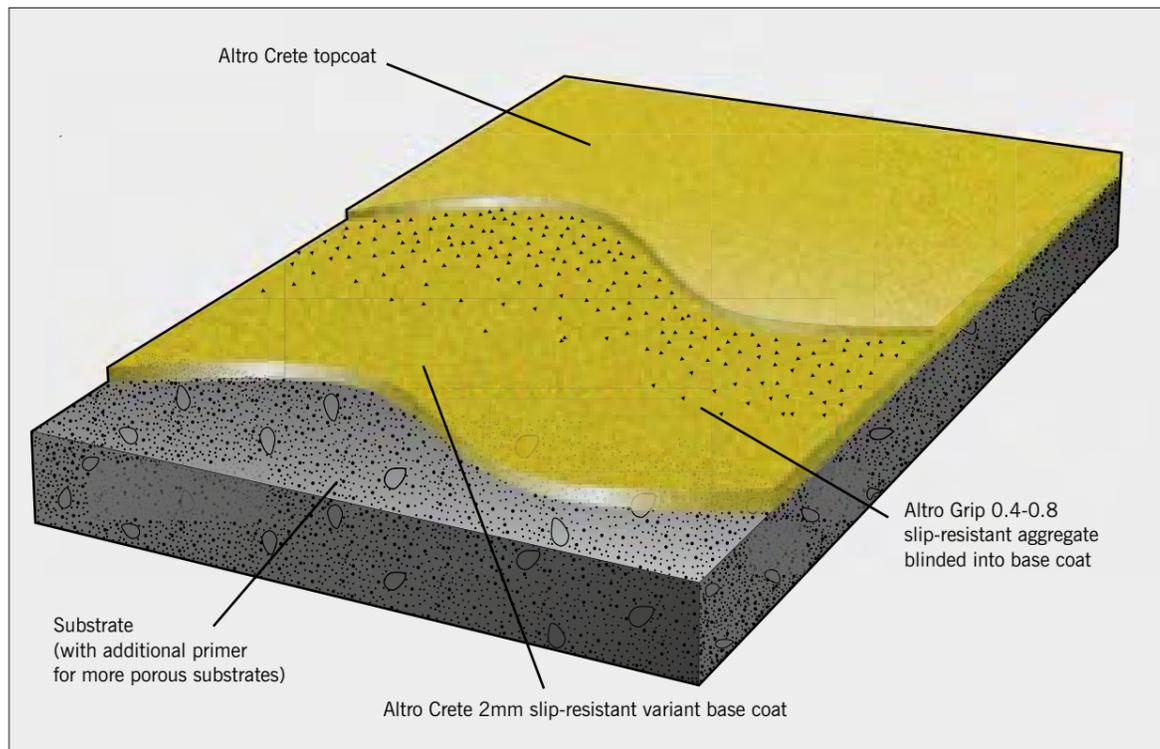
Technical drawings



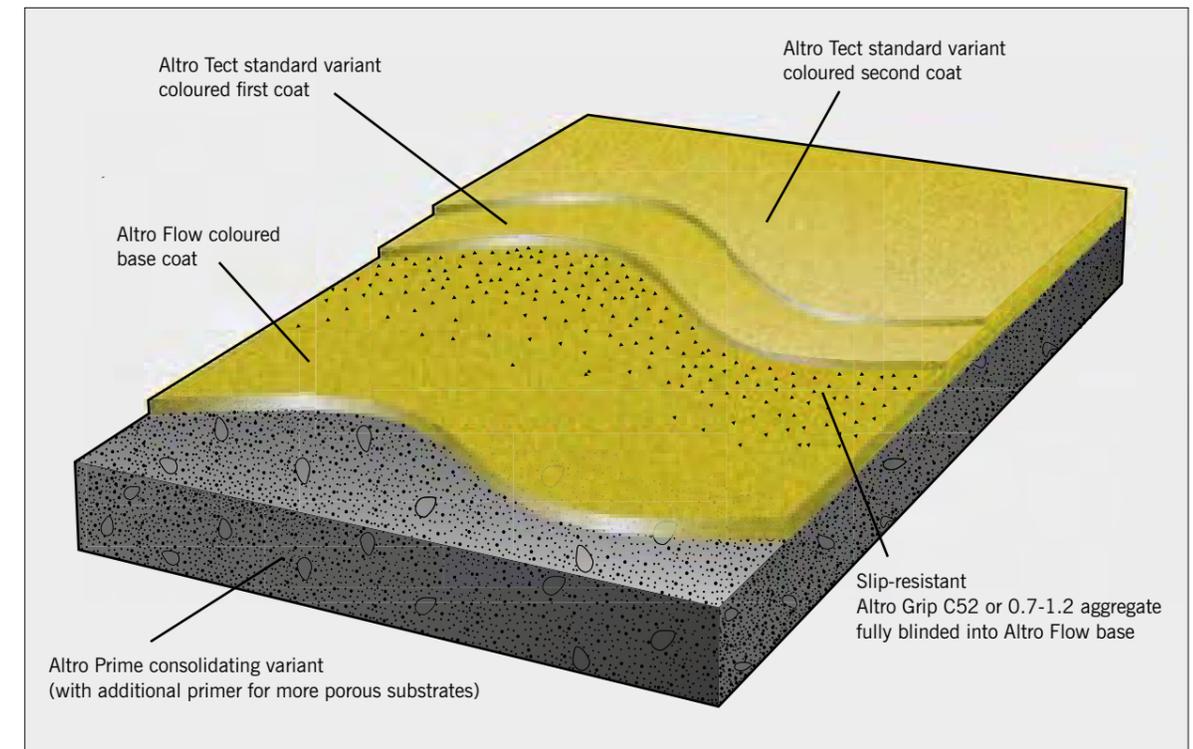
**Altro Crete 2mm slip-resistant variant, Altro Crete 4mm slip-resistant (PTV ≥ 36) variant
 Altro Crete 6mm slip-resistant variant, Altro Crete 6mm slip-resistant fast-track variant
 Altro Crete 8mm slip-resistant variant, Altro Crete 8mm slip-resistant fast-track variant**



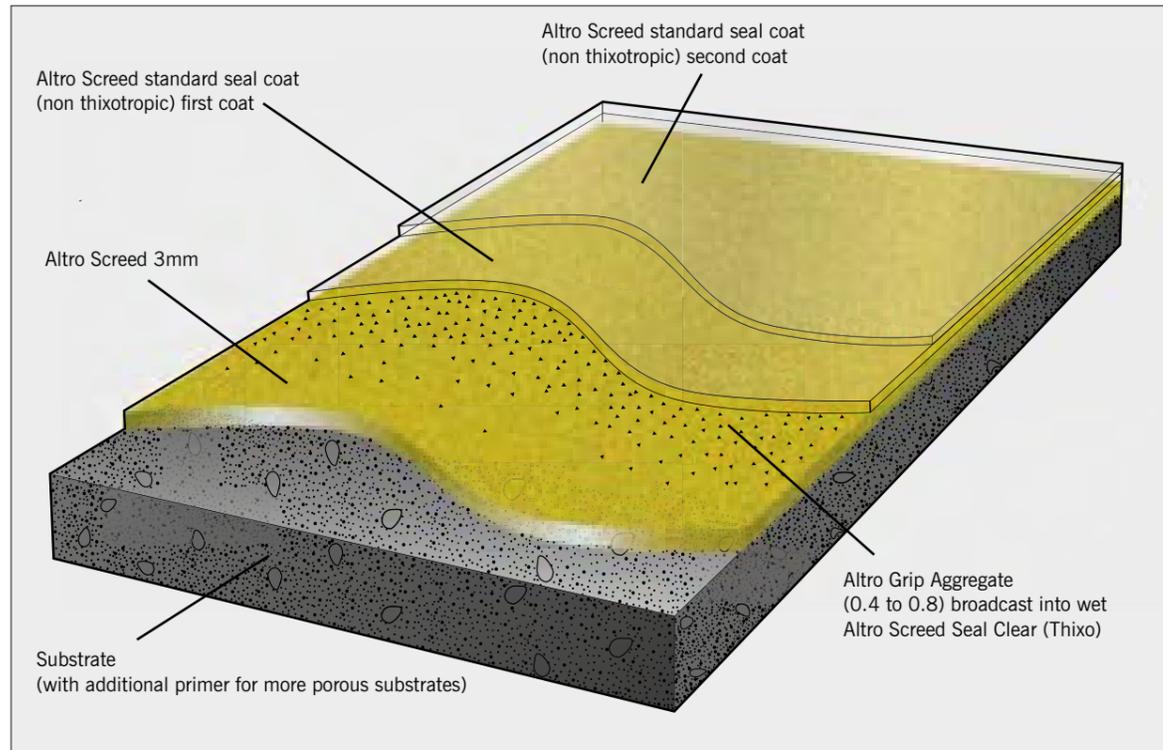
Altro Grip 1mm slip-resistant variant, Altro Grip 1.25mm slip-resistant variant



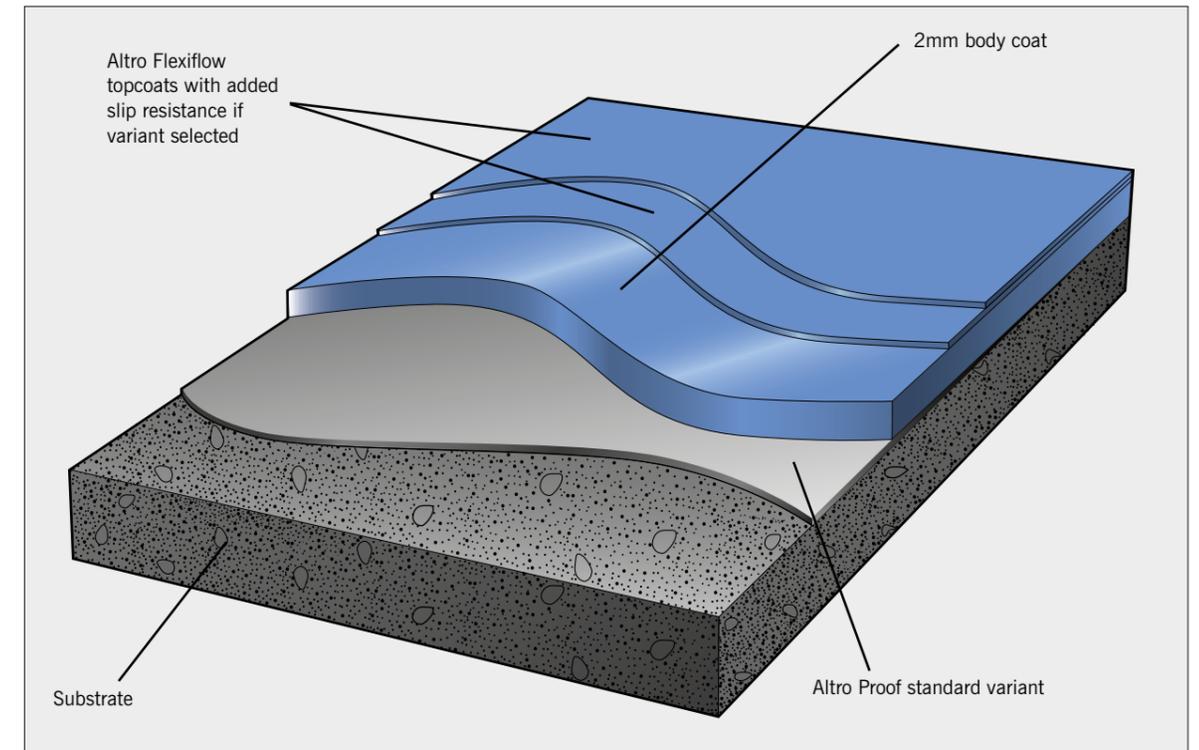
Altro Crete 4mm slip-resistant (PTV ≥ 50) variant



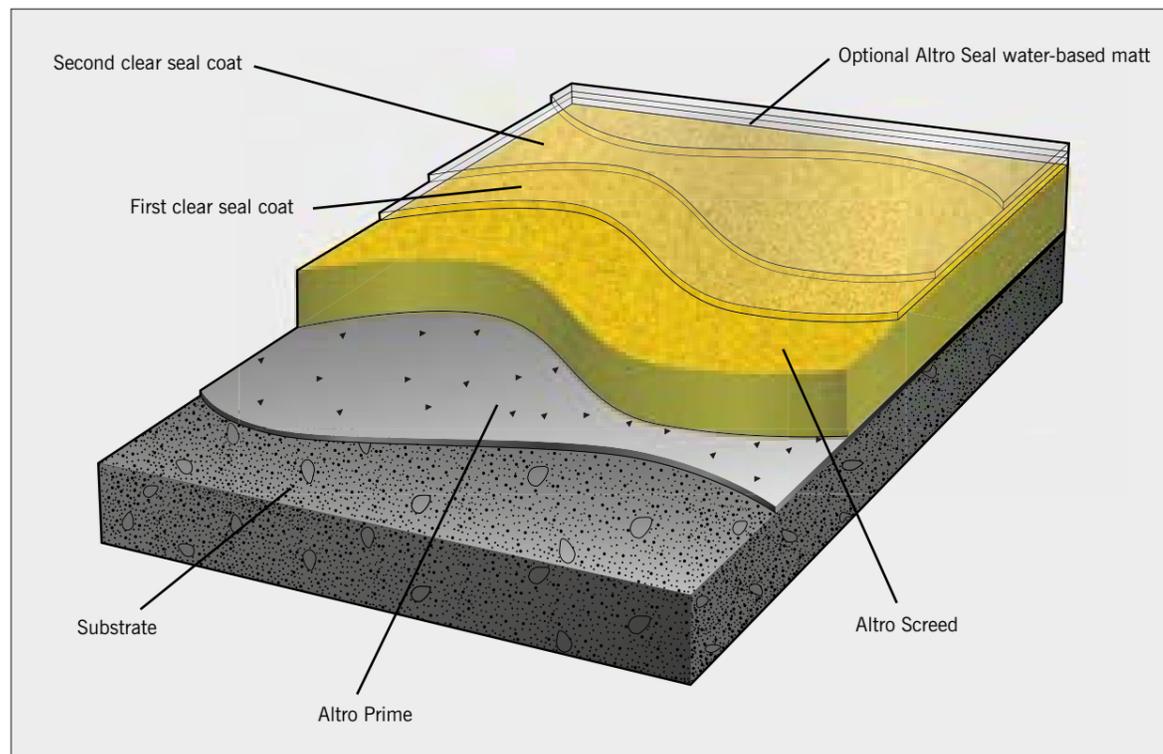
Altro Grip 2mm slip-resistant variant, Altro Grip 6mm slip-resistant variant



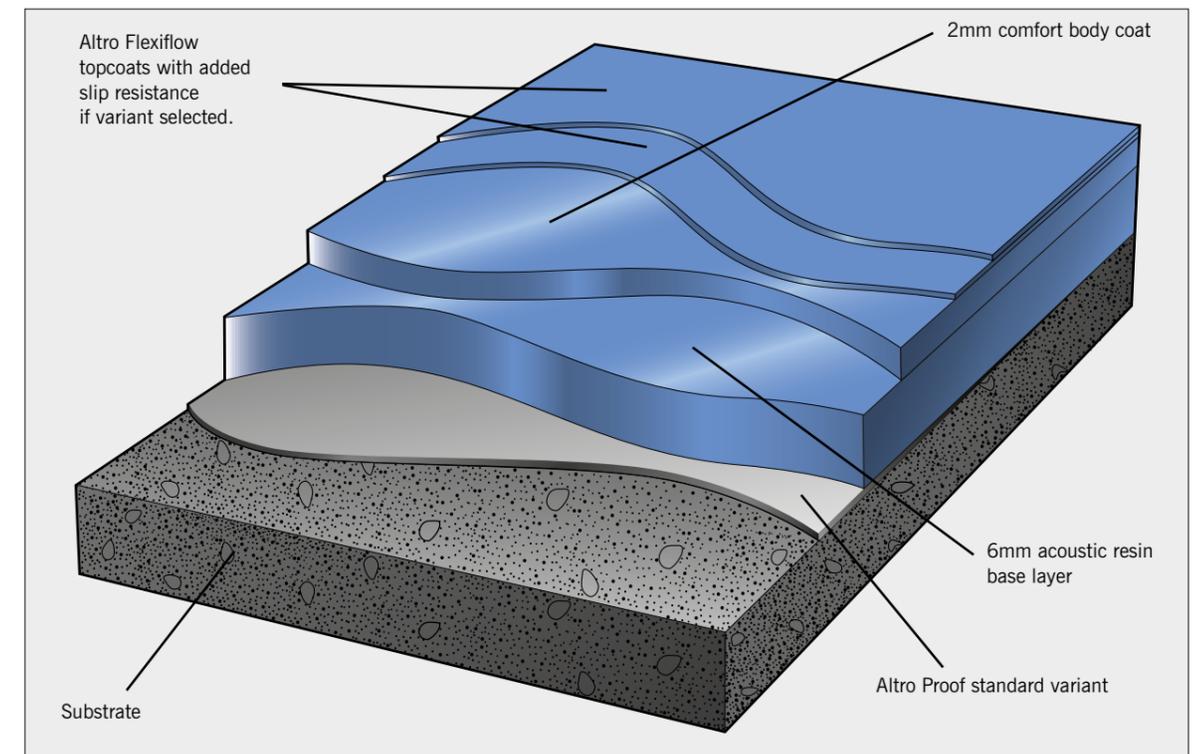
Altro Grip 4.5mm slip-resistant variant



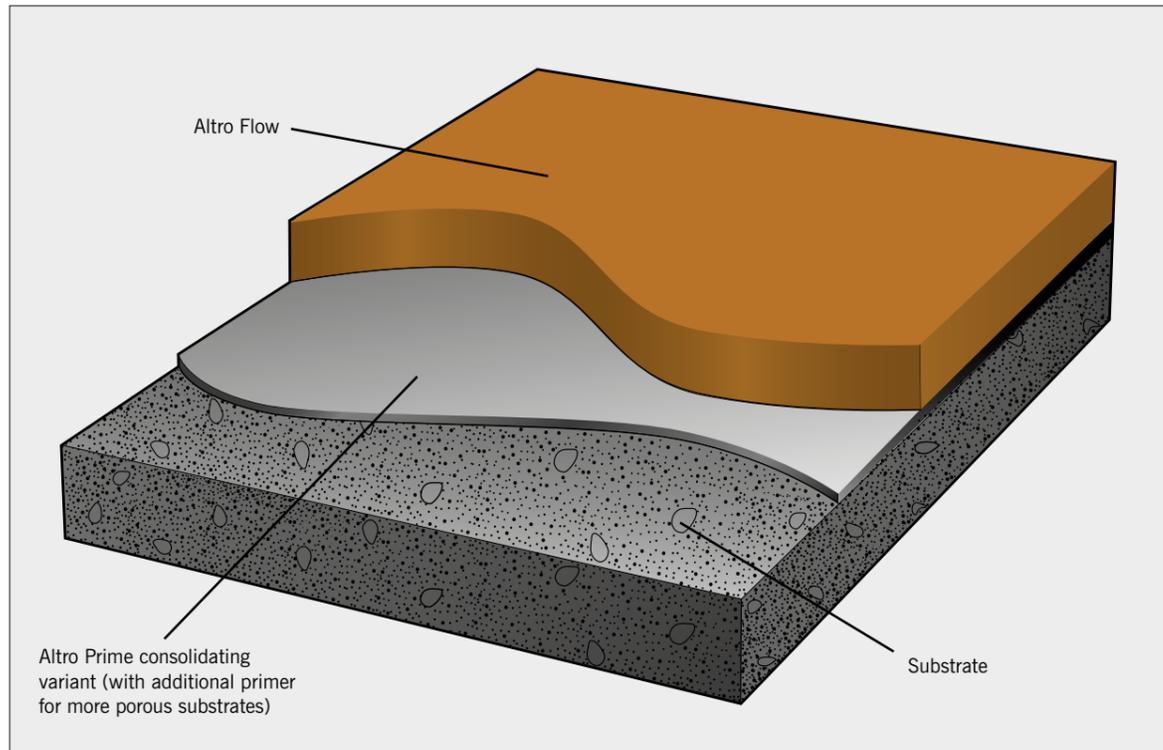
**Altro Flexiflow 2mm classic standard variant, Altro Flexiflow 2mm classic slip-resistant variant
Altro Flexiflow 2mm comfort standard variant, Altro Flexiflow 2mm comfort slip-resistant variant**



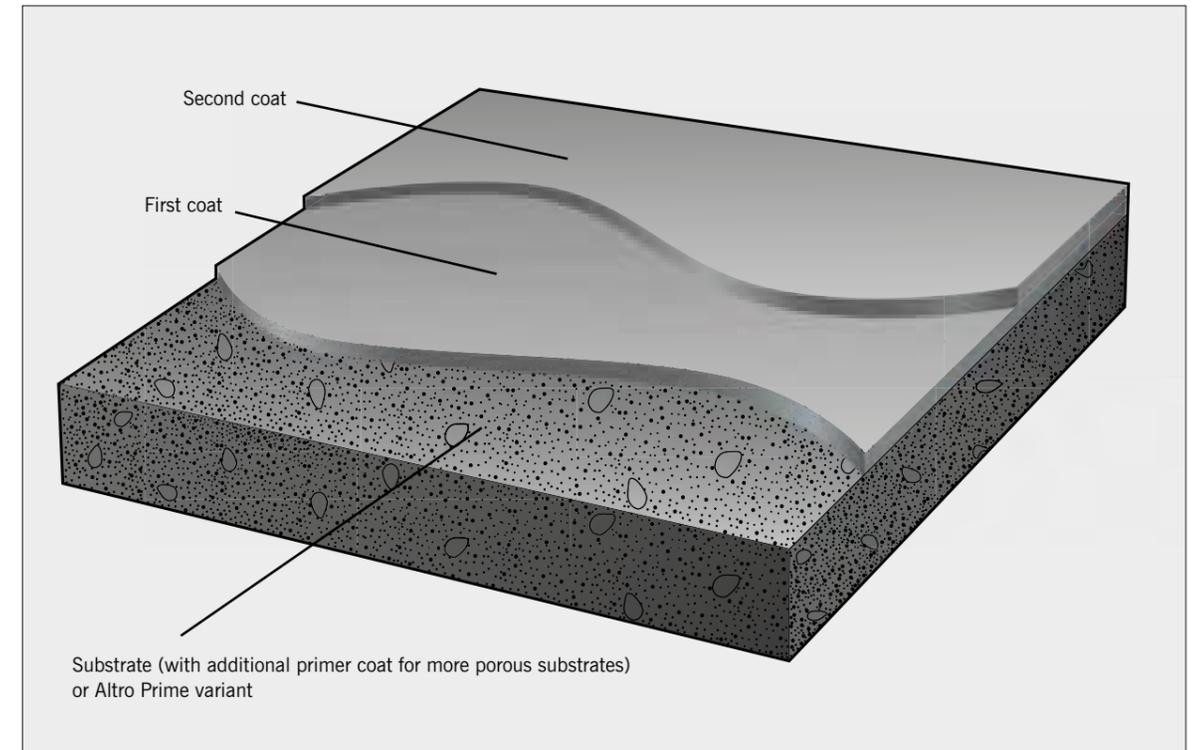
**Altro Screed 3mm standard variant, Altro Screed 3mm slip-resistant variant
Altro Screed 4mm standard variant, Altro Screed 4mm standard slip-resistant variant
Altro Screed 5mm Rapicure standard variant, Altro Screed 5mm Rapicure slip-resistant variant
Altro Screed 6mm standard variant, Altro Screed 6mm slip-resistant variant**



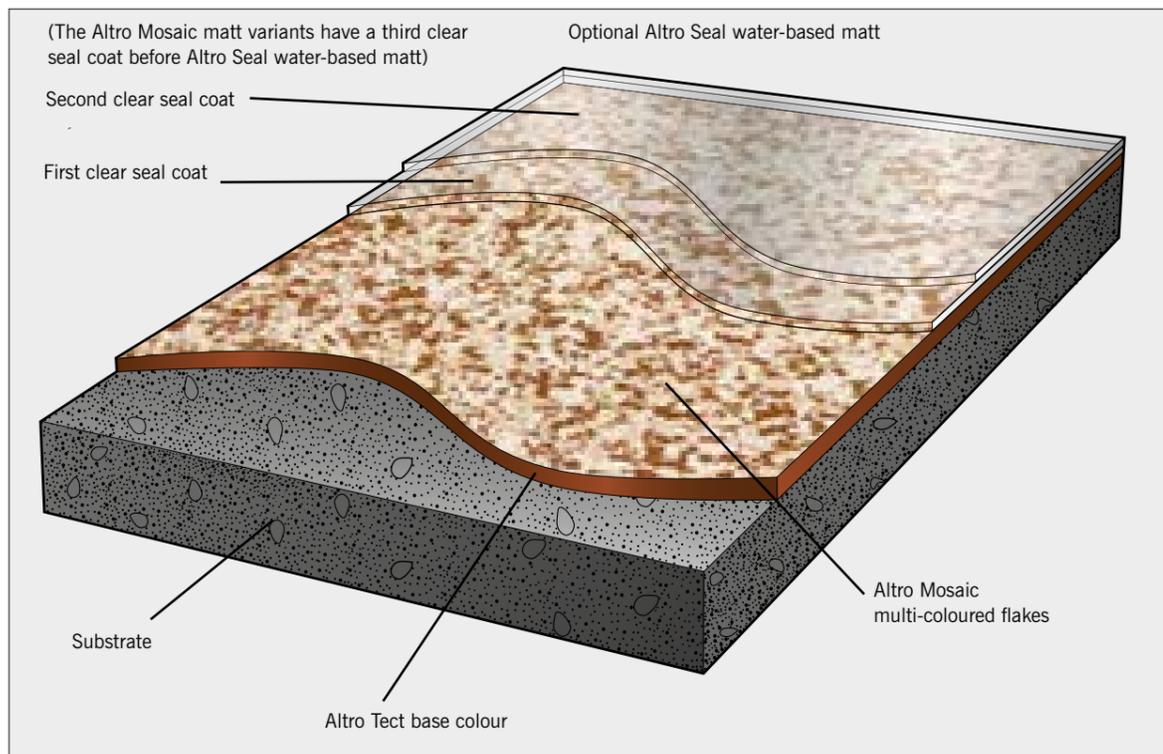
**Altro Flexiflow 8mm acoustic standard variant
Altro Flexiflow 8mm acoustic slip-resistant variant**



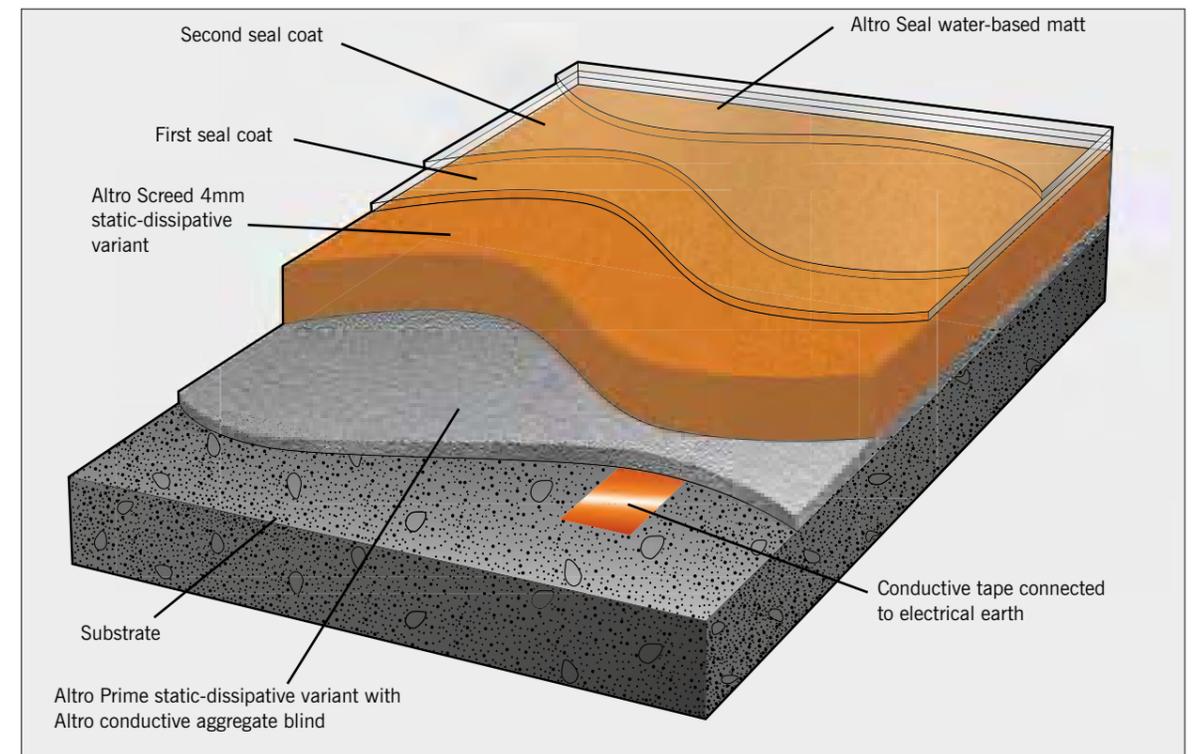
Altro Flow 1mm standard variant, Altro Flow 2mm standard variant, Altro Flow 3mm standard variant



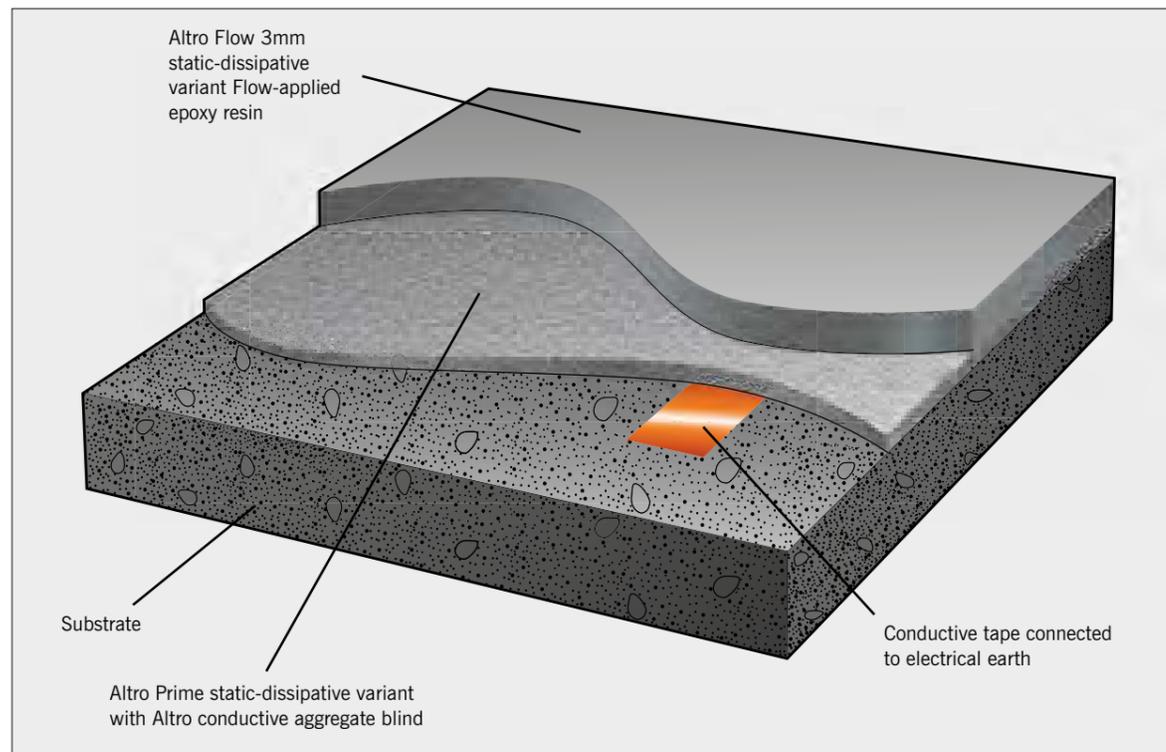
Altro Tect, Altro Coat, Altro Seal



**Altro Mosaic standard matt variant, Altro Mosaic standard gloss variant
Altro Mosaic vertical matt variant, Altro Mosaic vertical gloss variant**



Altro Screed 4mm static-dissipative variant



Altro Flow 3mm static-dissipative variant



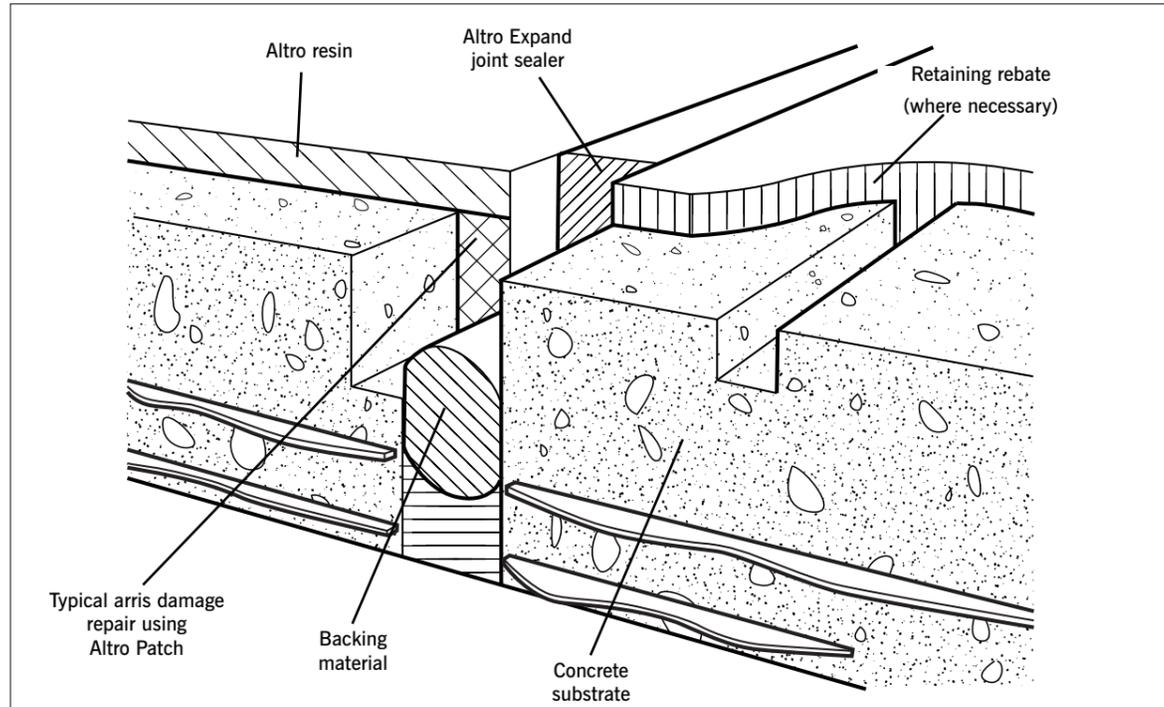
The performance of Altro flooring and wall cladding depends on their correct installation, and the care with which jointing detail is finished. For your guidance, the drawings published here demonstrate best practice.

A representative selection of commonly encountered installations is shown.

For further guidance, typical specification clauses or isometric diagrams please contact us.

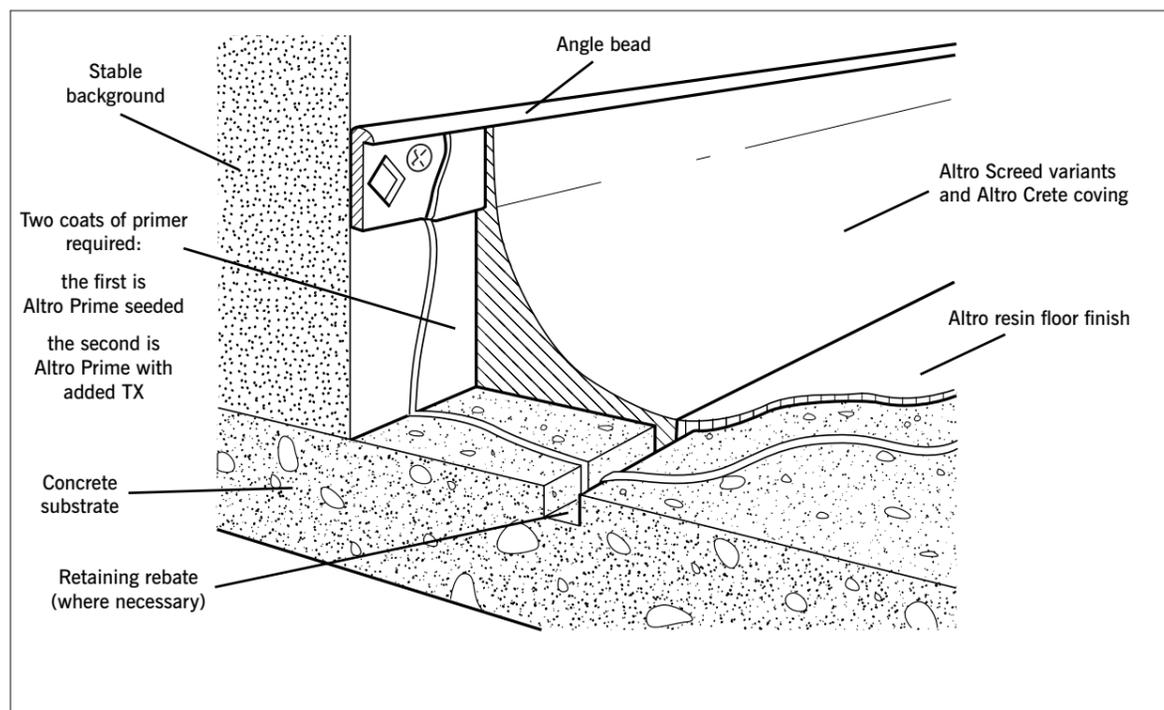
Altro resin flooring finish at floor expansion joints

RF1/07/00



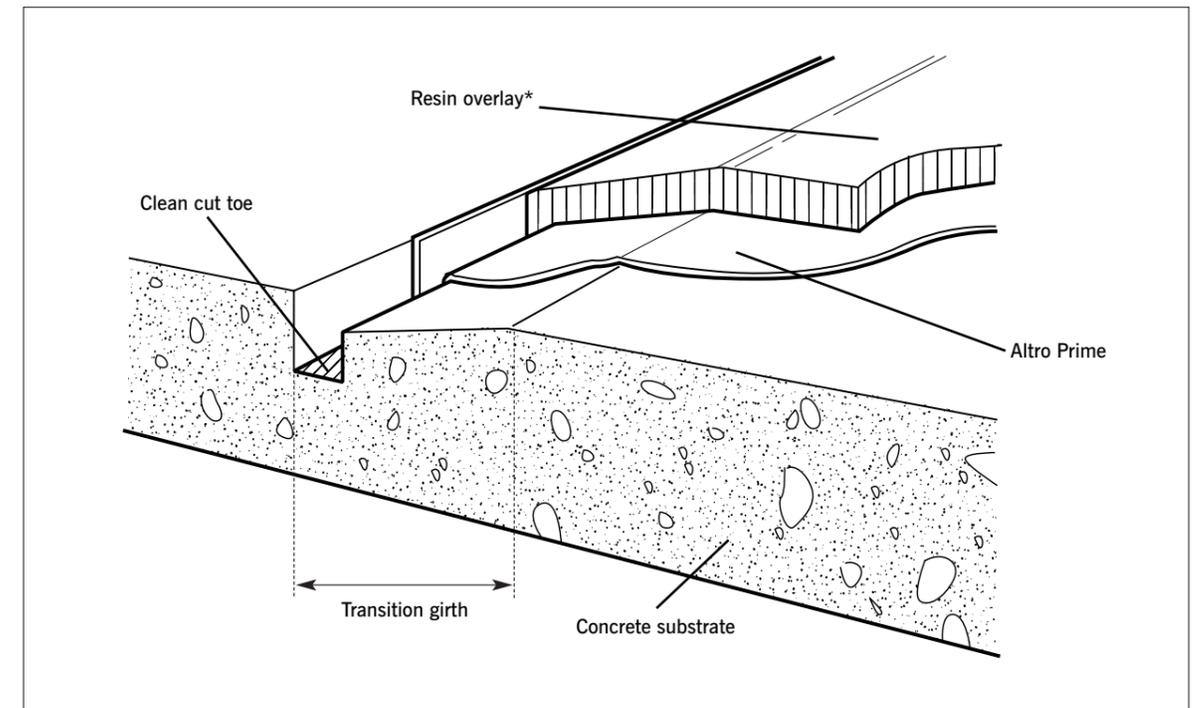
In-situ cove detail with retaining rebate

RF2/07/00



Altro resin flooring transition detail

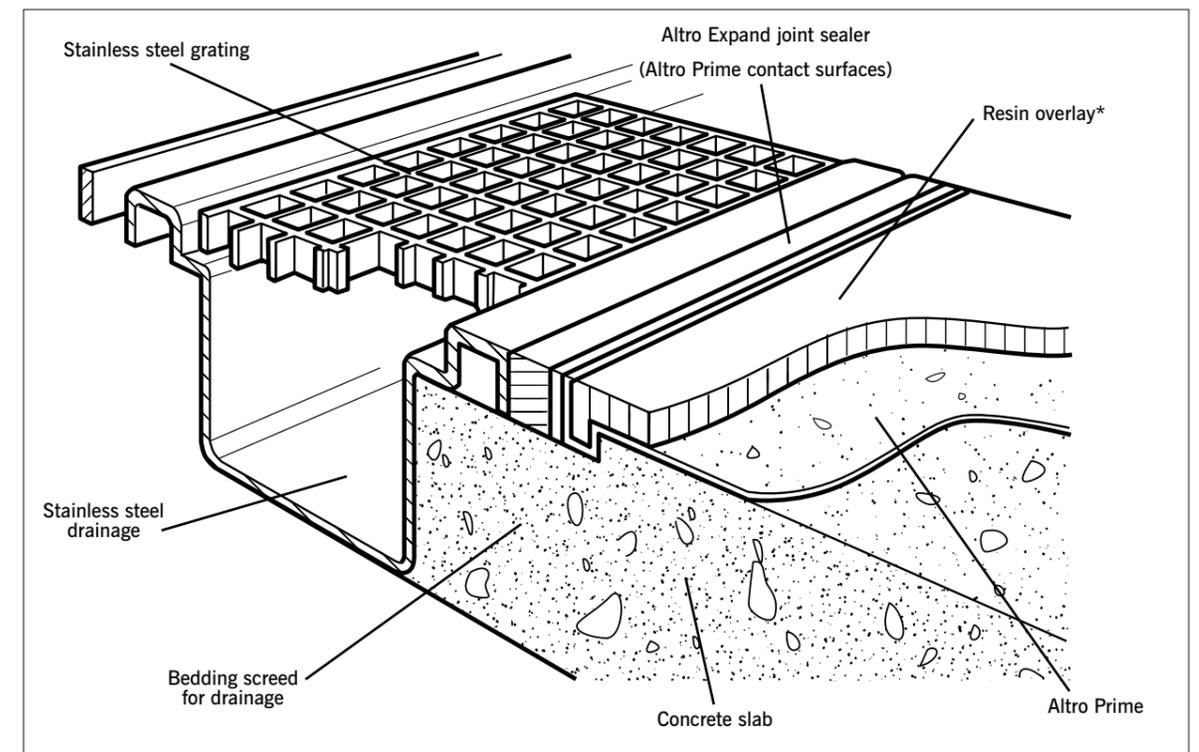
RF4/11/05



*All Altro Screed variants and Altro Crete 6mm slip-resistant variant, Altro Crete 6mm slip-resistant fast-track variant, Altro Crete 8mm slip-resistant variant and Altro Crete 8mm slip-resistant fast-track variant.

Altro resin flooring finished to stainless steel drainage

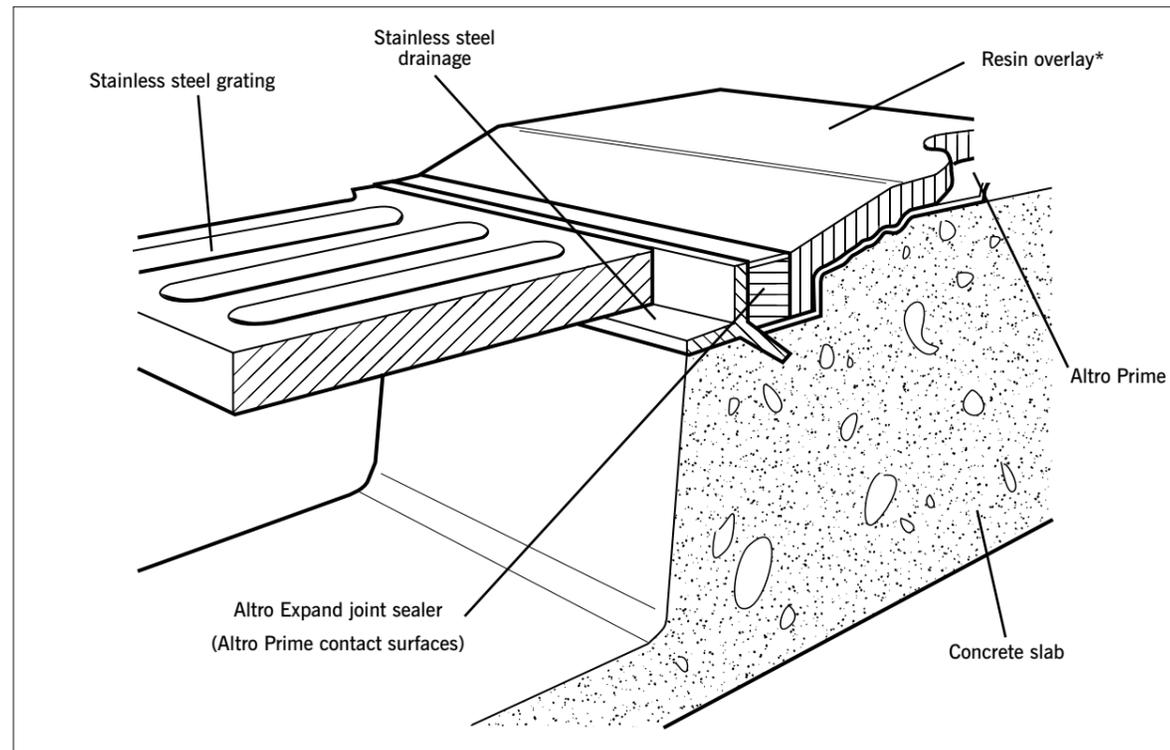
RF5/11/05



*All Altro Screed variants and Altro Crete 6mm slip-resistant variant, Altro Crete 6mm slip-resistant fast-track variant, Altro Crete 8mm slip-resistant variant and Altro Crete 8mm slip-resistant fast-track variant.

Altro resin flooring finished to poured trench drainage

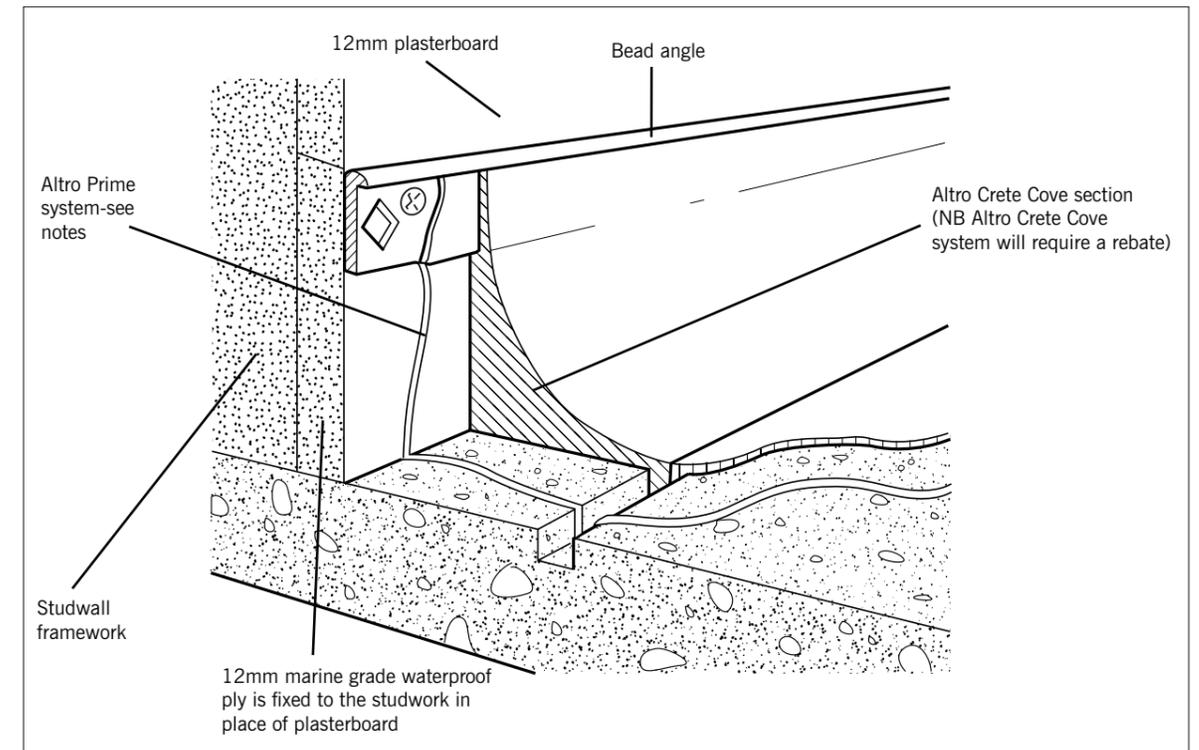
RF6/11/05



*All Altro Screed variants and Altro Crete 6mm slip-resistant variant, Altro Crete 6mm slip-resistant fast-track variant, Altro Crete 8mm slip-resistant variant and Altro Crete 8mm slip-resistant fast-track variant.

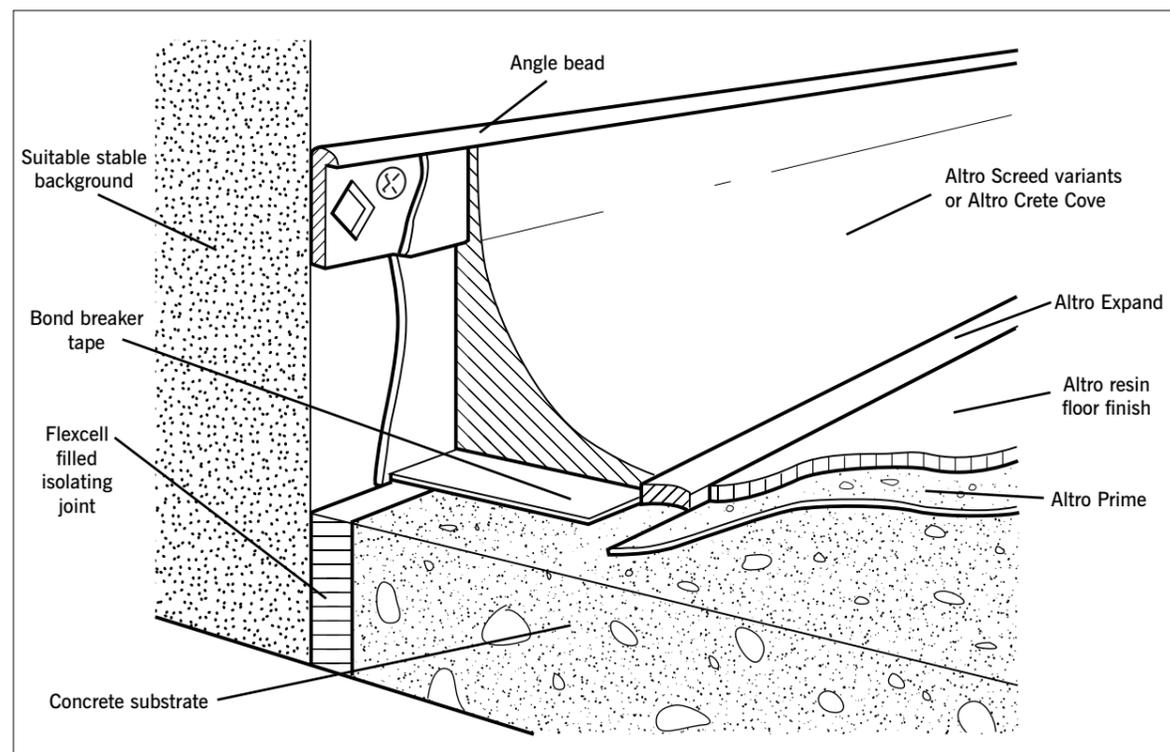
Altro resin floor to studwork wall

RF9/04/16



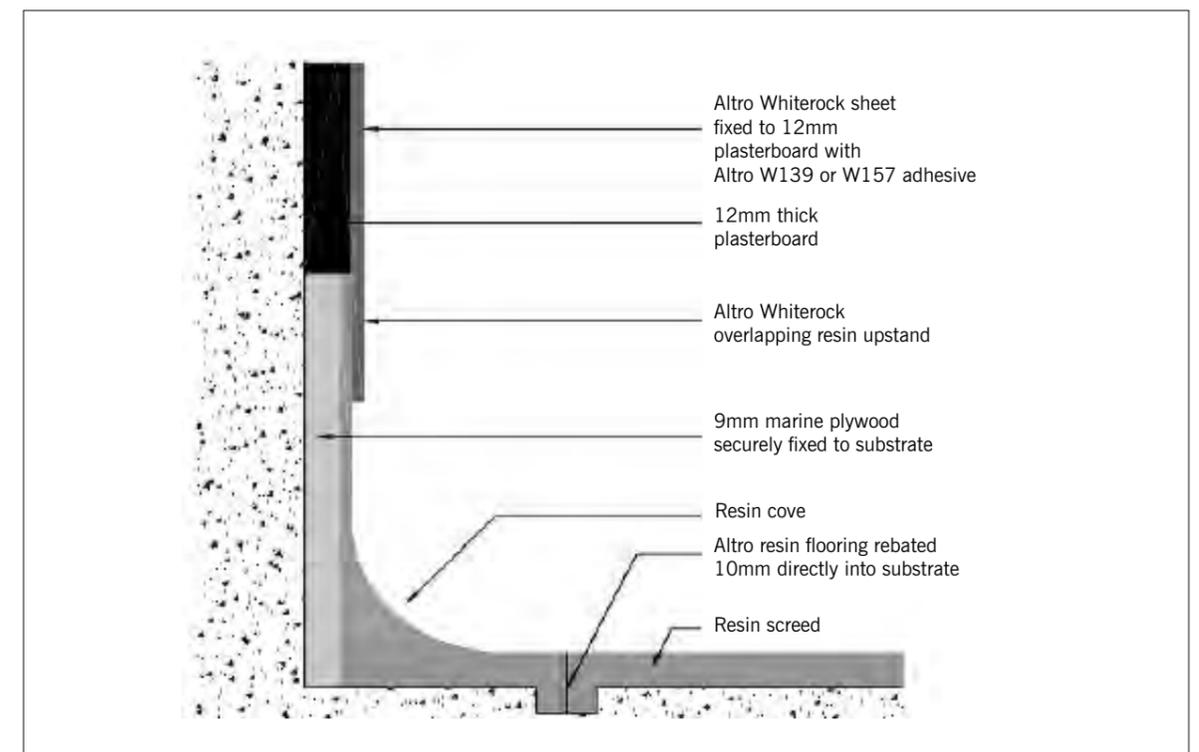
Altro resin flooring with in situ cove and isolated slab to wall

RF7/11/05



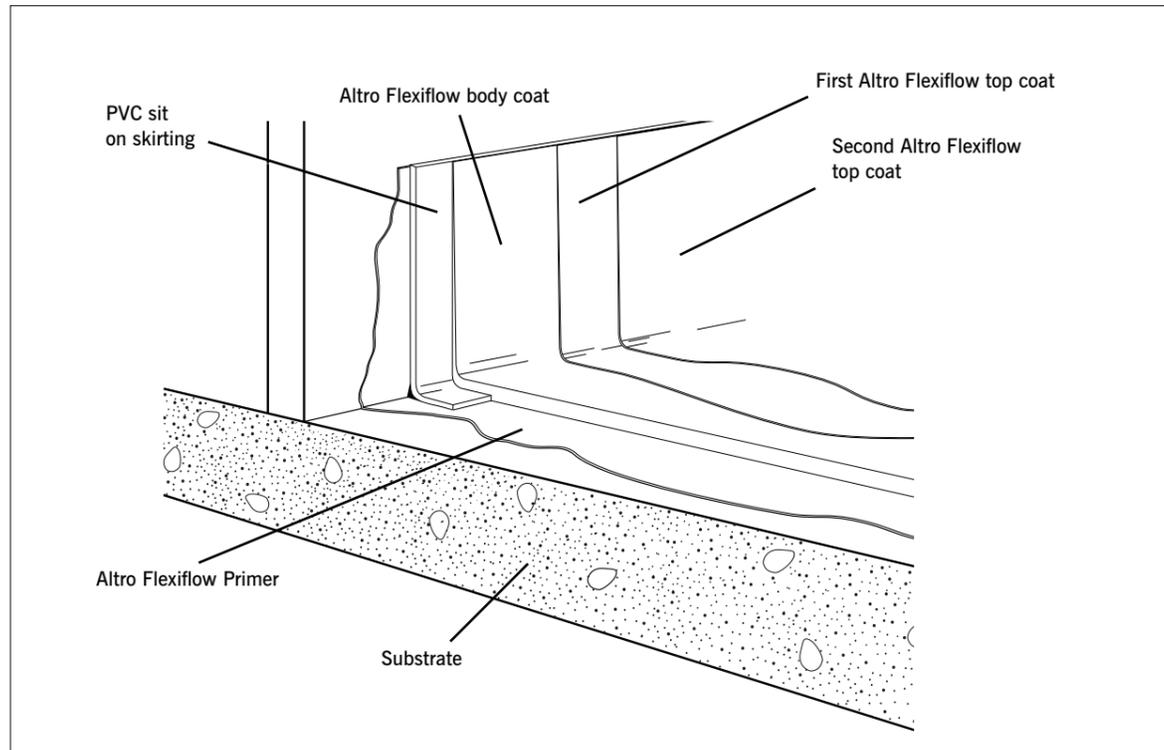
Altro Whiterock to Altro resin cove detail

RF10/04/16



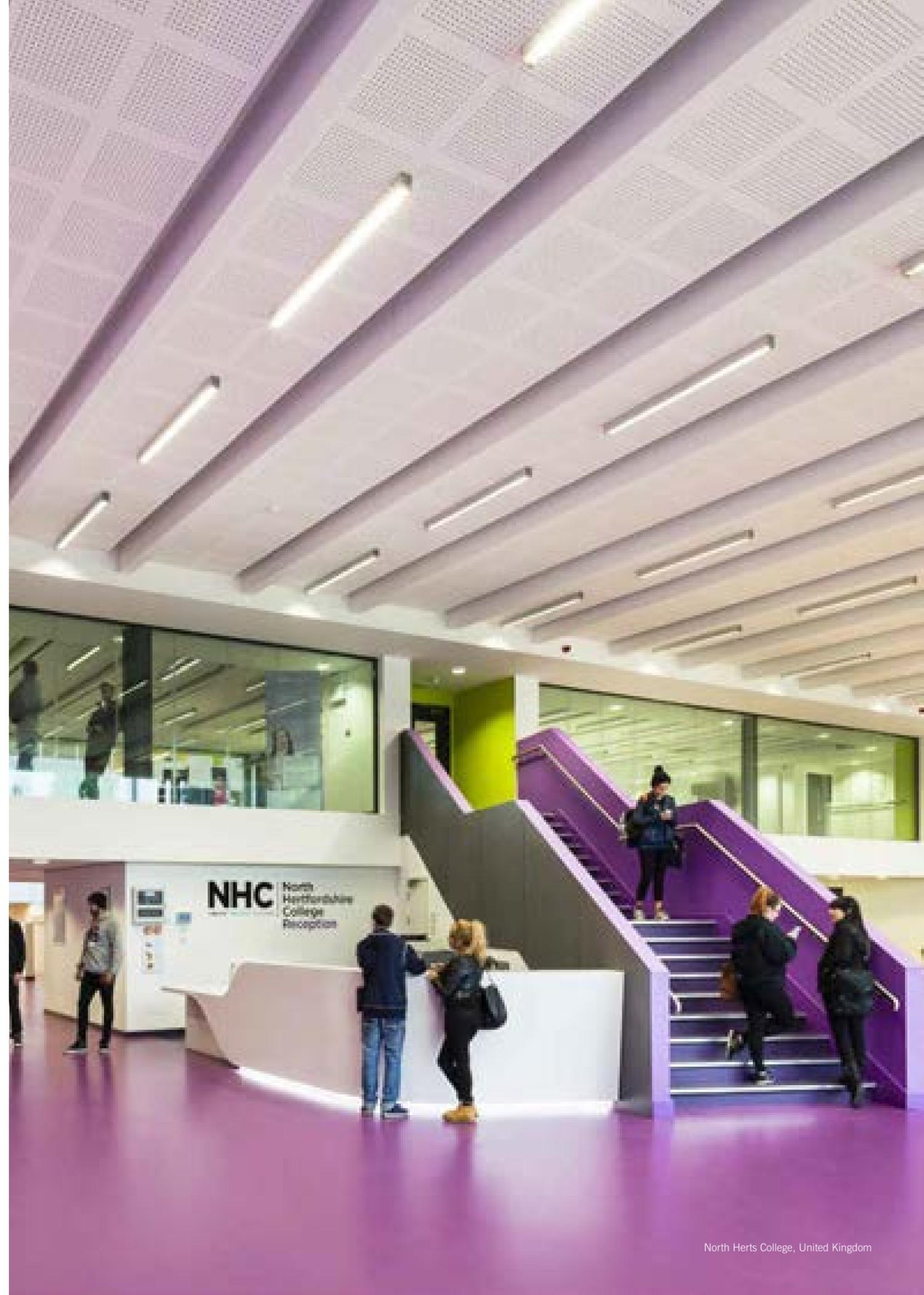
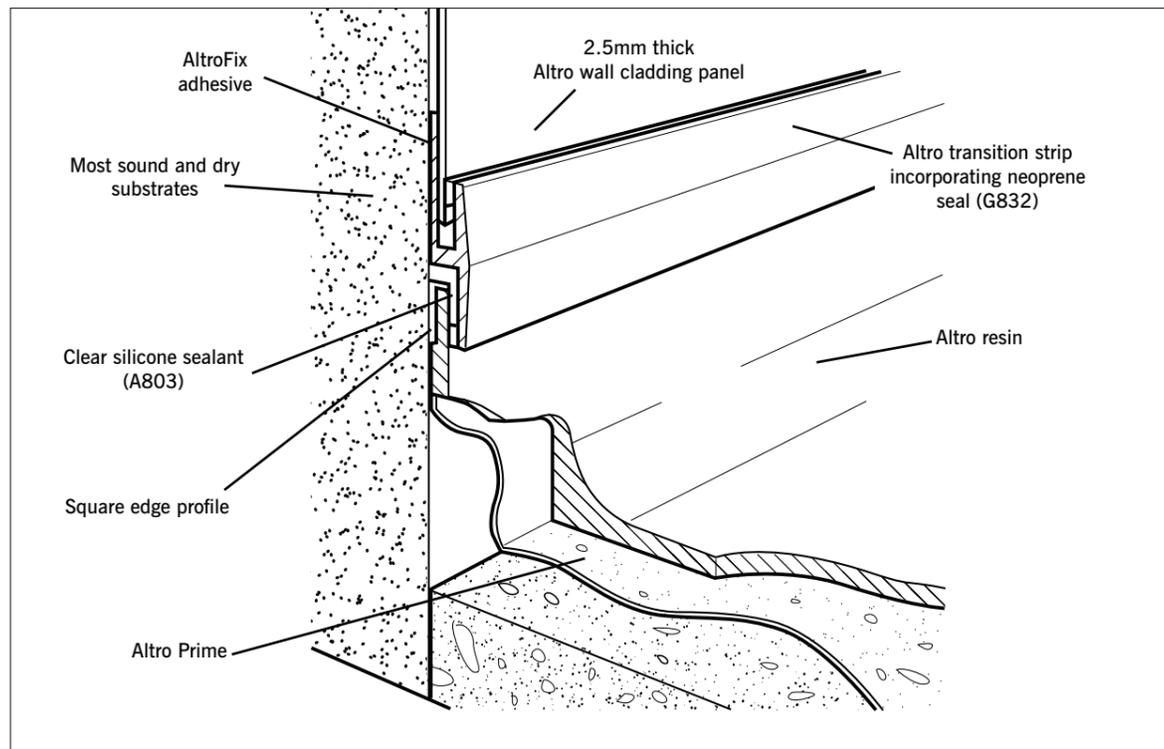
Altro Flexiflow™ coving detail PVC sit on skirting

RF13



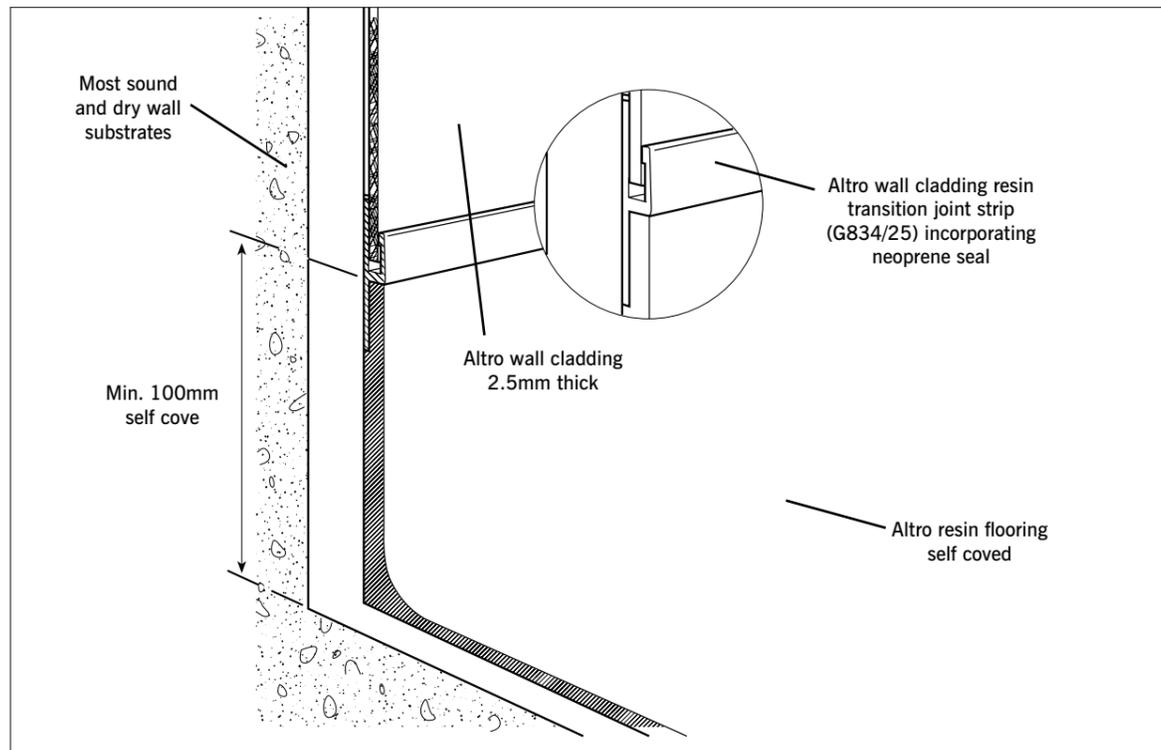
Altro wall cladding to Altro resin flooring detail

WF5



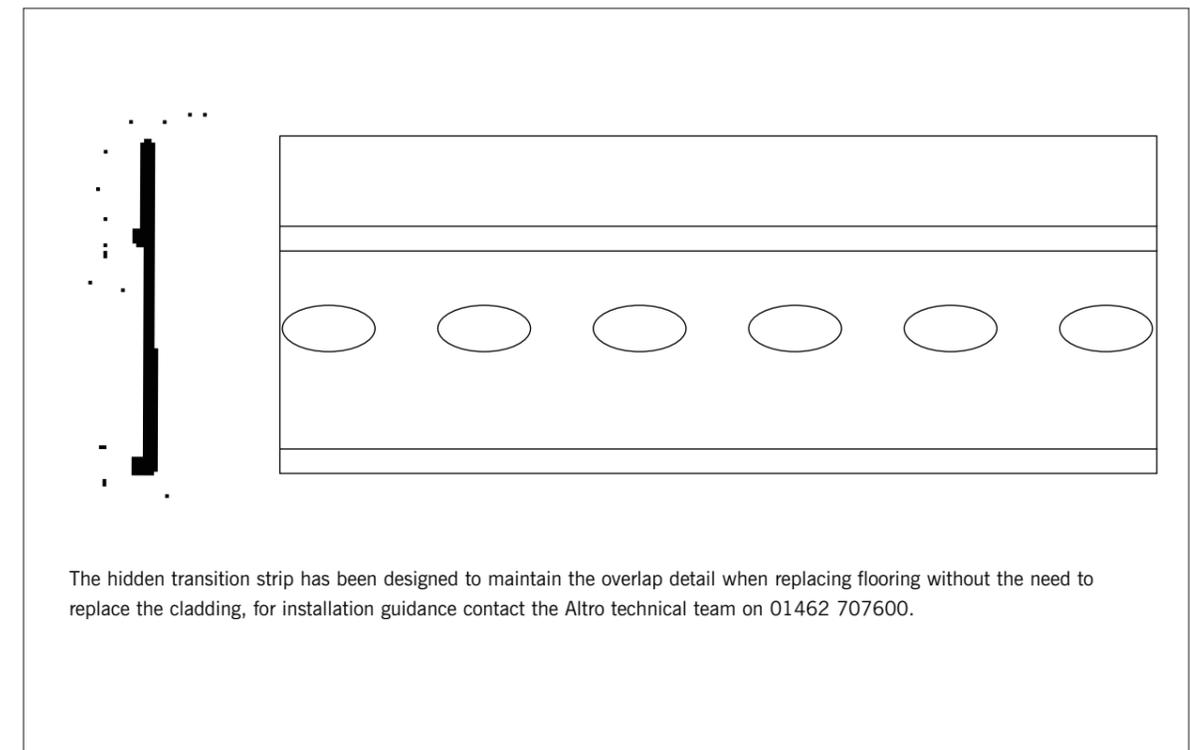
Altro wall cladding to Altro resin flooring detail

WF6



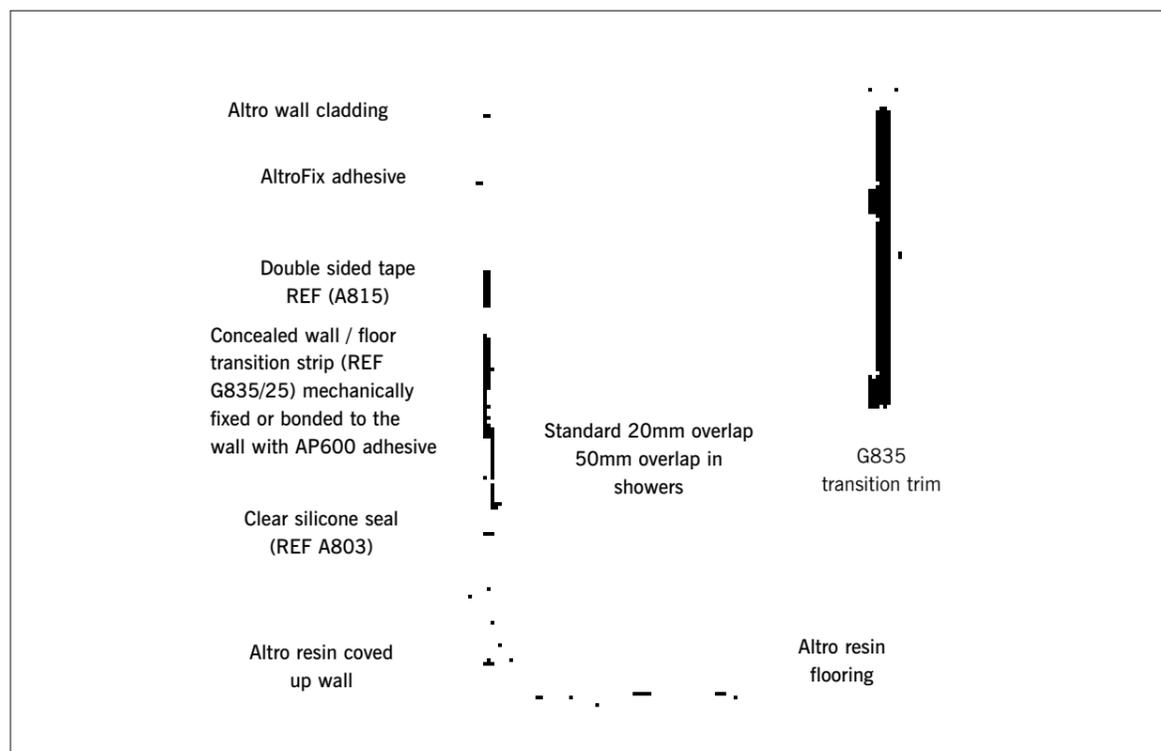
Concealed transition strip

WHTT4



Concealed transition strip

WHTT3



Altro offer many other installation detail drawings to assist specifiers and installers. All our installation detail drawings can be downloaded from www.altro.co.uk, within the 'Technical Information' section of the site. Altro can also provide detail and typical specification clauses for virtually any installation of our flooring and wall cladding products.



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