

altro

**Designed for possibilities.
Made for people.**



Bus: floors guide

Safety and design-led floors
for the global bus industry

altro.com

About Altro

Altro have been creating and manufacturing high quality transport flooring for over 60 years. Driven to transform everyday spaces for the people who use them, design-led innovation is at the heart of everything we do.

We help create environments for passengers which are both inviting and safe by partnering with the industry's leading bus and coach builders and operators globally.

Altro's unique perspective considers how our floors can perform at their best, both in service and at installation.

We partner with manufacturers and operators to provide solutions designed to enhance passenger experience and add efficiencies to assembly and maintenance.

Our collaborative approach allows customers to create vehicle interiors that tick all the performance boxes:

- **Safety**
- **Durability**
- **Comfort**

All within an attractive environment for passengers.

Bus floors
Installation services
Technical guidance



Altro Transflor Metris Custom
In Glass Stripes 2

Performance

Like any interior component, Altro bus floors are designed to work in harmony to support an vehicle's overall interior design. All of our transport floors are intelligently engineered to provide maximum performance which is sustained even when subjected to the most challenging service demands.

Slip-resistant

All our bus floors are designed to meet the most stringent slip resistance standards. These can be easily identified through our technical information, which provide total transparency on product performance. In doing this you can be sure that your vehicles offer passengers the right level of protection, no matter the usage.

Durable

Buses incur extremely high levels of concentrated foot traffic, so hardwearing durability is a necessity of any floor. Altro are constantly working to engineer the most highly resilient transport floors which are designed to withstand the most demanding service regimes – a quality backed up by guarantees that cover the life expectancy of the vehicle.

Lightweight construction

Our bus floors are specifically engineered to offer a lightweight solution without compromising on any other performance qualities. The lightweight construction of our floors aids operators in attaining decarbonisation targets while maintaining excellent slip resistance and design options on board.

Impermeable

Even if contaminants are brought on board a vehicle, Altro transport floors continue to perform. The construction of our products, combined with heat welded installation techniques, makes them impervious to the ingress of water and dirt, protecting vehicle subfloors from damage and preventing the need for costly repairs.

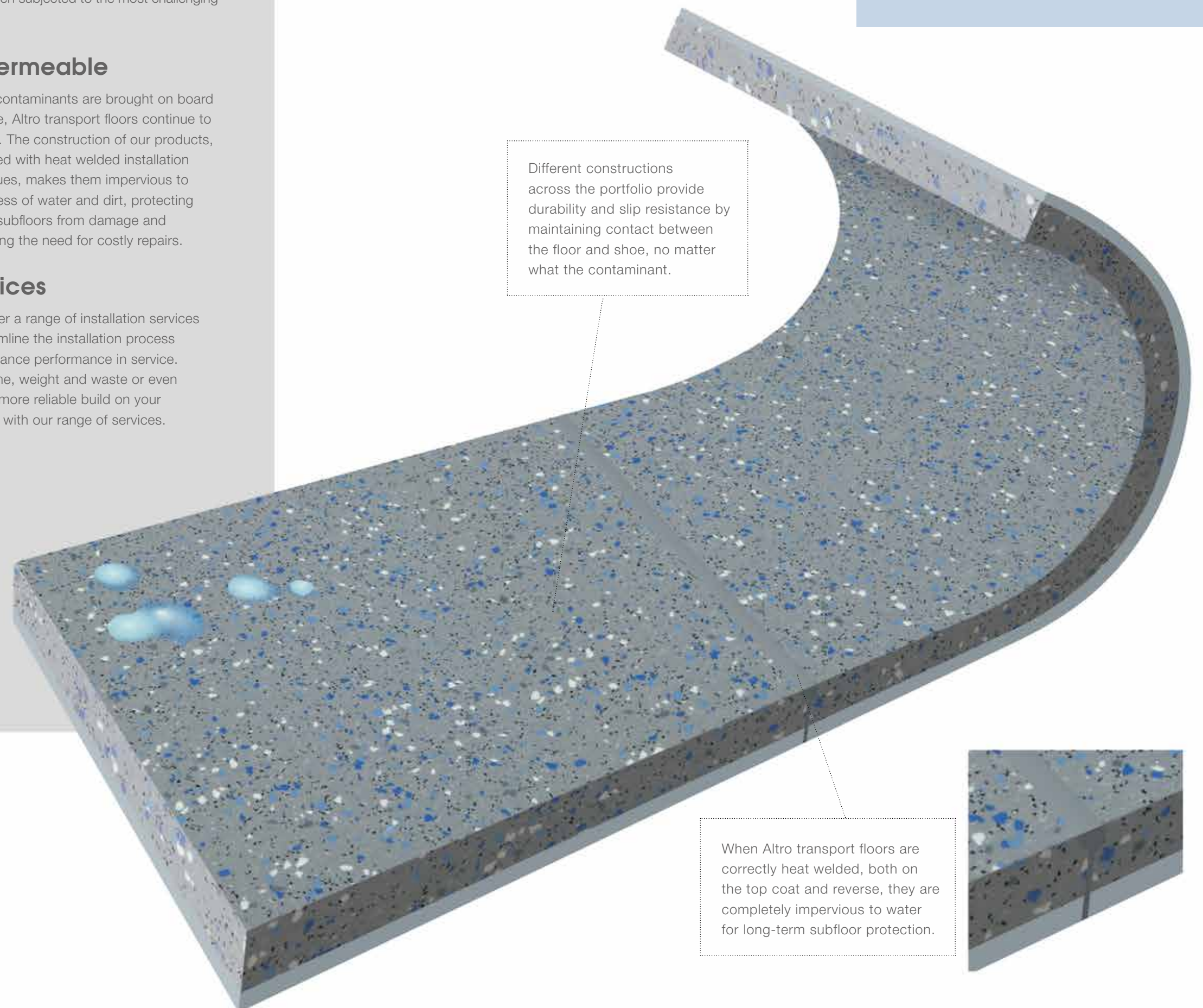
Services

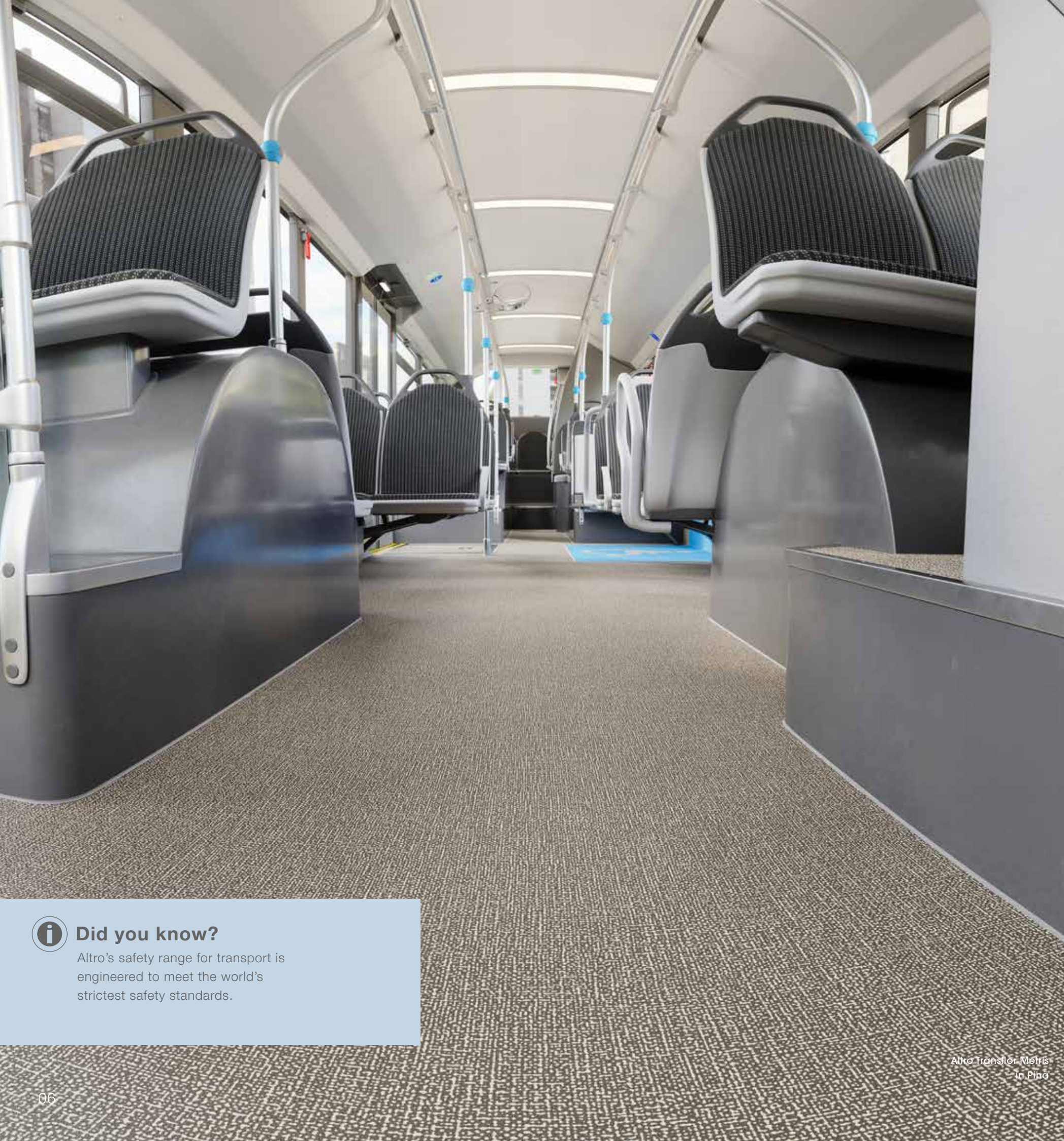
Altro offer a range of installation services to streamline the installation process and enhance performance in service. Save time, weight and waste or even enjoy a more reliable build on your vehicles with our range of services.



Did you know?

We have reduced the weight of our products by 20% since 2017.





Experience drives innovation

At Altro, we never stand still. As the inventors of safety floor, we are constantly refining quality and driving innovation.

Passenger service vehicles are changing, and as bus technology is forced to evolve to meet zero-emission demands so too must interior components. We partner with leading operators and manufacturers to help stimulate the adoption of clean public transport by delivering inclusive and welcoming bus interiors that improve passenger experience.

Next generation floors

To help address the unique challenges facing next generation vehicles, we design next generation floors with innovative thermal and acoustic insulation to optimise service range and address the change in ambient sounds inside zero emission buses.

ShieldGrip technology

As the inventors of safety floor, we know that a slip-resistant surface is fundamental in keeping passengers safe. Operators also need to specify bus floors that are resistant to dirt and easy to clean; that's why we developed ShieldGrip technology. This intelligent surface enables floors to be cleaned more easily than ever before, keeping interiors looking great and services running efficiently with zero compromise on slip resistance.



Did you know?

Altro's safety range for transport is engineered to meet the world's strictest safety standards.

Altro Translo Metris
in Ping

Passenger experience

Create an impression

The Altro portfolio gives you the freedom to design for any vehicle type you choose. Whether you're looking for practicality and resilience or eye-catching design, we've got you covered.

First impressions count, so Altro's established product ranges have been designed to enable you to create interior spaces that positively shape passengers' perceptions of your brand. We work closely with manufacturers and operators to create inviting interior spaces which offer comfort and visual appeal so that when passengers ride your bus, they ride in style.

Creative freedom

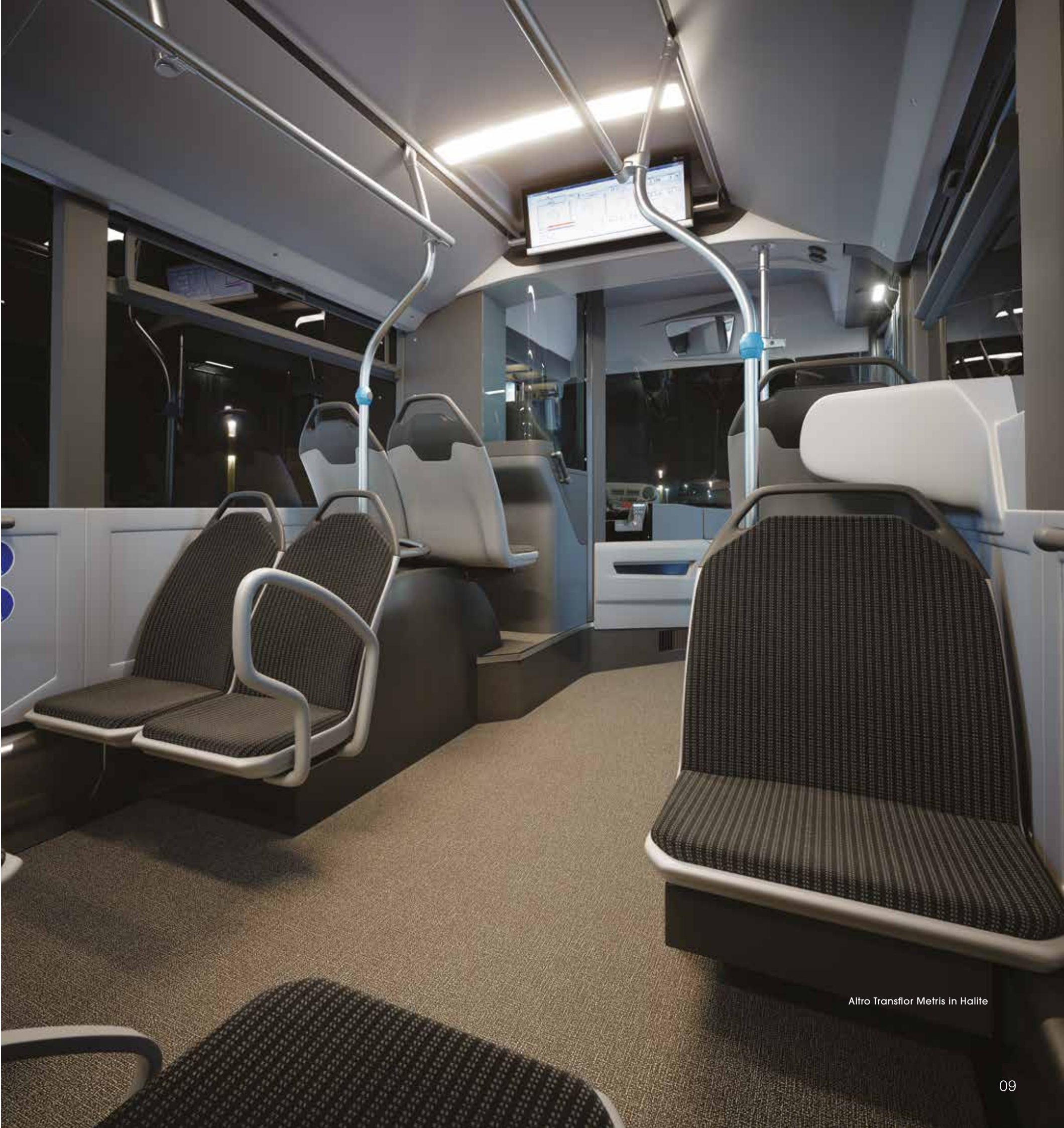
Our design-focused ranges offer authentic wood look designs and natural mineral designs, all sparkle-free and in high definition print. Choose from our thoughtfully compiled standard colour palettes, or make use of our custom colour service.

All of our bus floors are available in customised colours and designs.

*Conditions apply

Accessible design

We are committed to removing barriers to travel, ensuring everyone has access to the lifeline of public transportation. We continuously refine our product offering to help our customers take steps to improve the accessibility of their vehicles and consider inclusivity within design that helps improve transport environments for all that use them.



Altro Transflor Metris in Halite

Altro solutions for city bus

The following floor plan shows how Altro services work on a heavy-duty city bus.

See how your favourite product would look in your vehicle using Altro Insta-space:

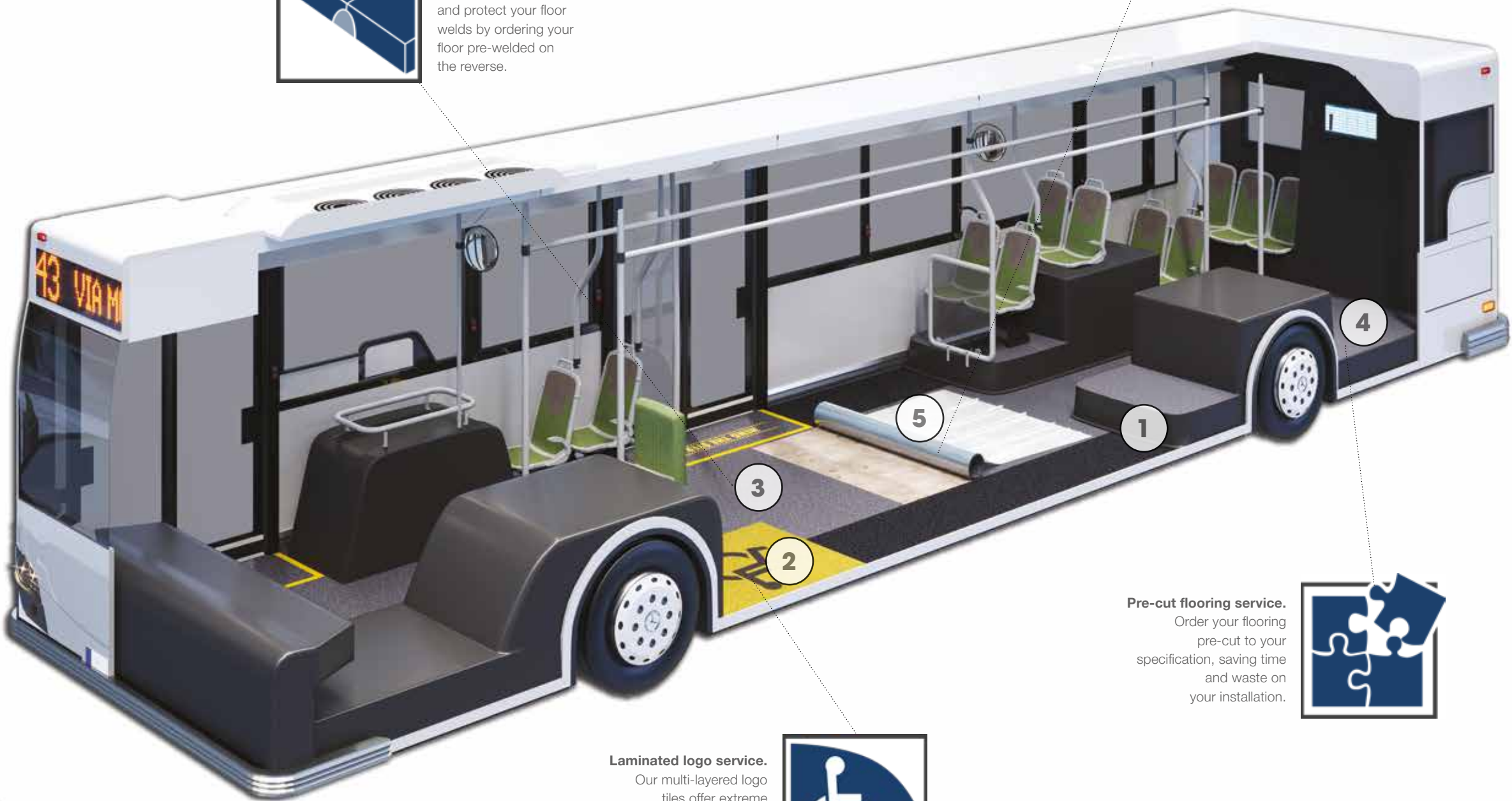
🌐 www.altro.co.uk/Altro-Transport-Insta-space



Altro reverse welding service. Leave floor patterns uninterrupted and protect your floor welds by ordering your floor pre-welded on the reverse.



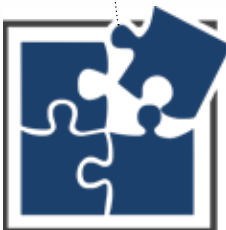
Self-adhesive flooring. Our self-adhesive flooring utilises a pressure sensitive acrylic transfer tape system to save time on your installation: simply peel, stick, roll, weld and walk.



Laminated logo service. Our multi-layered logo tiles offer extreme water resistance and great flexibility for easy installation and coving.



Pre-cut flooring service. Order your flooring pre-cut to your specification, saving time and waste on your installation.



1. Nosings and trims

Our range of nosings and trims are ideal for emphasising high risk areas to passengers and protecting floors from daily wear.

2. Laminated logos

Pre-cut, water resistant logo tiles.
More information on page 36.

3. Reverse welding

Flooring seams welded on the reverse of the floor for greater aesthetics and a more reliable join.
More information on page 38.

4. Pre-cut floors

Flooring delivered pre-cut to your specification, ready for install.
More information on page 32.

5. Self-adhesive

Flooring with adhesive pre-applied: simply peel, stick, roll, weld and walk.
More information on page 34.

Altro Transflor Artis™

A 2.2mm compact resilient flooring offering sustained slip resistance and a range of contemporary, natural designs.



Farmhouse Oak
TFWSA2204F
WR338 / A1M338 / LRV 38



Spiced Bamboo
TFWSA2219F
WR342 / A1M224 / LRV 21



Antique Walnut
TFWSA2207F
WR341 / A1M160 / LRV 15



Oak Riche
TFWSA2214F
WR227 / A1M227 / LRV 10



Autumn Maple
TFWSA2205F
WR339 / A1M339 / LRV 24



Tudor Oak
TFWSA2223F
WR471 / A1M337 / LRV 16



Urban Cherry
TFWSA2203F
WR337 / A1M337 / LRV 17



Century Oak
TFWSA2212F
WR346 / A1M62 / LRV 8



Slate Oak
TFWSA2229F
WR478 / A1M390 / LRV 26



Vintage Cherry
TFWSA2202F
WR336 / A1M239 / LRV 22



Worn Oak
TFWSA2232F
WR322 / A1M239 / LRV 19



Manor Oak
TFWSA2216F
WR348 / A1M348 / LRV 7



Jacobean Oak
TFWSA2222F
WR470 / A1M83 / LRV 11



Iron Bamboo
TFWSA2226F
WR232 / A1M82 / LRV 14

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Artis is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod







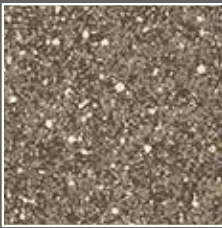
Altro Transflor Artis
in Spiced Bamboo



Altro Transflor Artis
in Natrolite

Altro Transflor Artis™

A 2.2mm compact resilient flooring offering sustained slip resistance and a range of contemporary, natural designs.



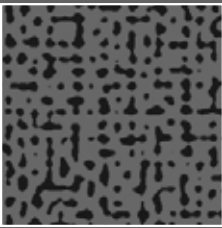
Halite
TFAR22003
WR418 / A1M239 / LRV 21



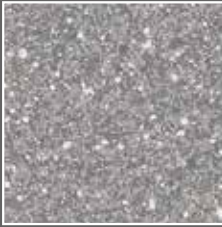
Pinã
TFAR22016F
WR494 / A1M494 / LRV 23



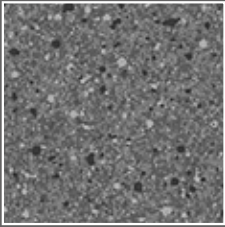
Rayon
TFAR22015F
WR506 / A1M82 / LRV 20



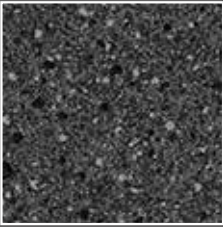
Sisal
TFAR22017F
WR501 / A1M82 / LRV 13



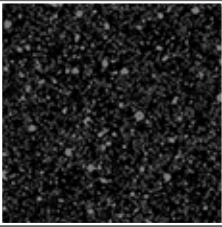
Natrolite
TFAR22014F
WR390 / A1M390 / LRV 30



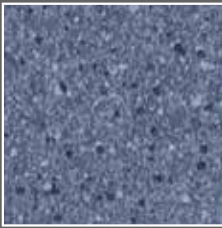
Maras
TFAR22004F
WR391 / A1M82 / LRV 18



Trapani
TFAR22005F
WR314 / A1M82 / LRV 11



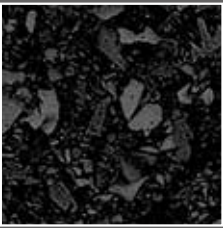
Tavira
TFAR22006F
WR485 / A1M485 / LRV 7



Edonite
TFAR22013F
WR458 / A1M74 / LRV 18



Fleur
TFAR22008F
WR481 / A1M83 / LRV 15



Onyx
TFAR22010F
WR485 / A1M485 / LRV 8

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Artis is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

Altro Transflor Metris™

A 2.85mm lightweight compact-acoustic flooring offering sustained slip resistance and 23db airborne acoustic performance. Supplied in a highly resilient compact-acoustic construction.



Farmhouse Oak
TFME2804
WR338 / A1M338 / LRV 38



Autumn Maple
TFME2805
WR339 / A1M339 / LRV 24



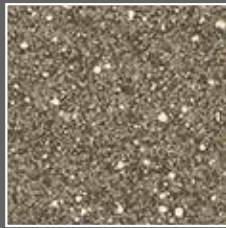
Vintage Cherry
TFME2802
WR336 / A1M239 / LRV 22



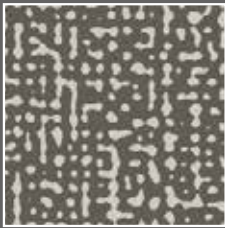
Worn Oak
TFME2832
WR322 / A1M239 / LRV 19



Oak Riche
TFME2814
WR227 / A1M227 / LRV 10



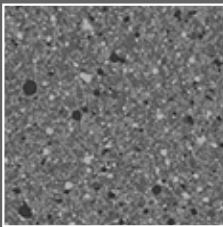
Halite
TFME28003
WR418 / A1M239 / LRV 21



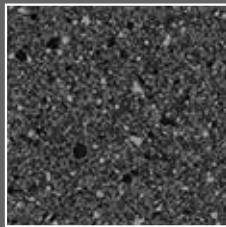
Pinã
TFME28016
WR494 / A1M494 / LRV 23



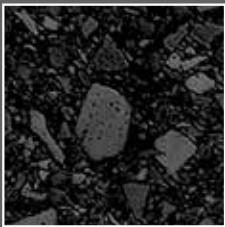
Jacobean Oak
TFME2822
WR470 / A1M83 / LRV 11



Maras
TFME28004
WR391 / A1M82 / LRV 18



Trapani
TFME28005
WR314 / A1M82 / LRV 11



Onyx
TFME28010
WR485 / A1M485 / LRV 8



Manor Oak
TFME2816
WR348 / A1M348 / LRV 7

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Artis is available for use with the above installation services.

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WR = Weld rod







Altro Transflor Metris
in Farmhouse Oak



Altro Transflor Sonis
in Oak Riche

Altro Transflor Sonis™

A 3.9mm full-acoustic flooring combining optimised acoustic and thermal insulation benefits with sustained, easy to clean slip resistance.



Farmhouse Oak
TFSN3904
WR338 / A1M338 / LRV 38



Vintage Cherry
TFSN3902
WR336 / A1M239 / LRV 22



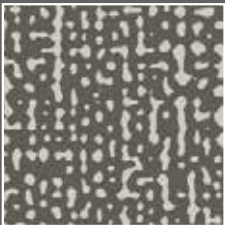
Worn Oak
TFSN3932
WR322 / A1M239 / LRV 19



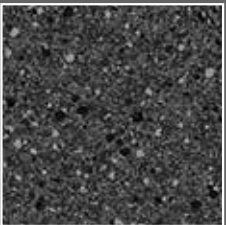
Manor Oak
TFSN3916
WR348 / A1M348 / LRV 7



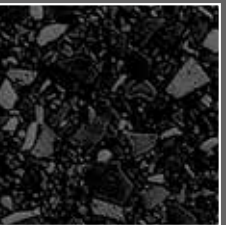
Oak Riche
TFSN3914
WR227 / A1M227 / LRV 10



Pinã
TFSN39016
WR494 / A1M494 / LRV 23



Trapani
TFSN39005
WR314 / A1M82 / LRV 11



Onyx
TFSN39010
WR485 / A1M485 / LRV 8

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Artis is available for use with the above installation services.

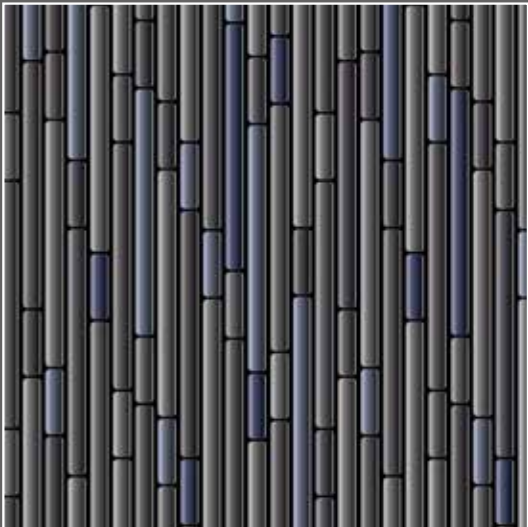
i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod





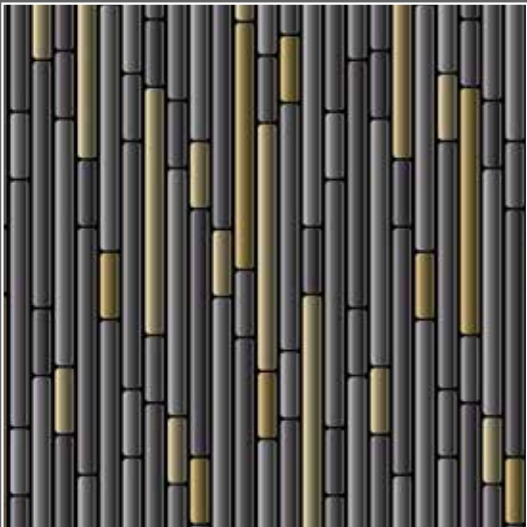
Altro Transflor Metris™ Custom

Lightweight digitally printed flooring for bus and coach with acoustic performance, comfort underfoot and superior print quality.



Glass stripes 1
DPSMT0107

Design repeat: 333.33 x 333.33mm



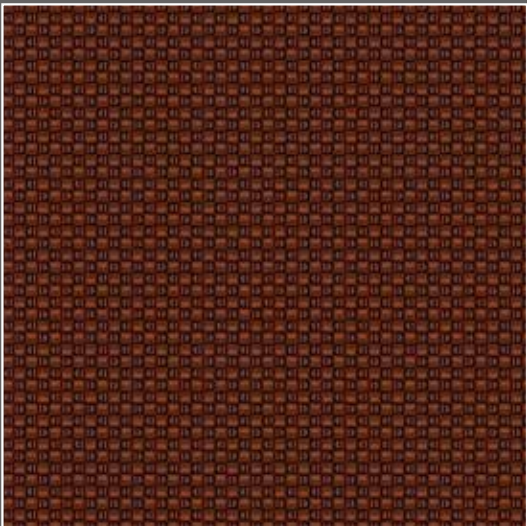
Glass stripes 2
DPSMT0108

Design repeat: 333.33 x 333.33mm



Geometric 1
DPSMT0109

Design repeat: 12.5 x 12.5mm



Geometric 2
DPSMT0110

Design repeat: 12.5 x 12.5mm

All swatche shown above appear at 25% of actual size.

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

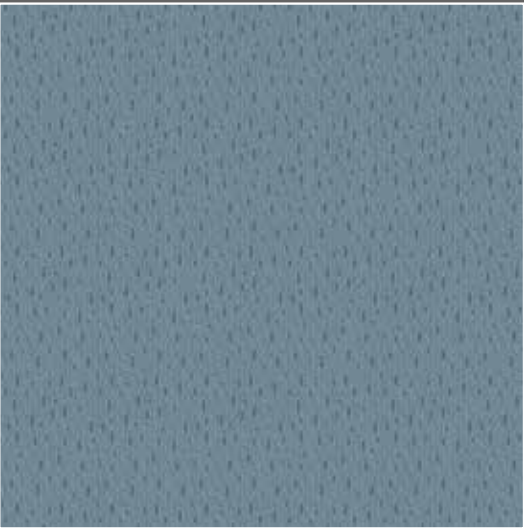
Altro Transflor Metris Custom is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod



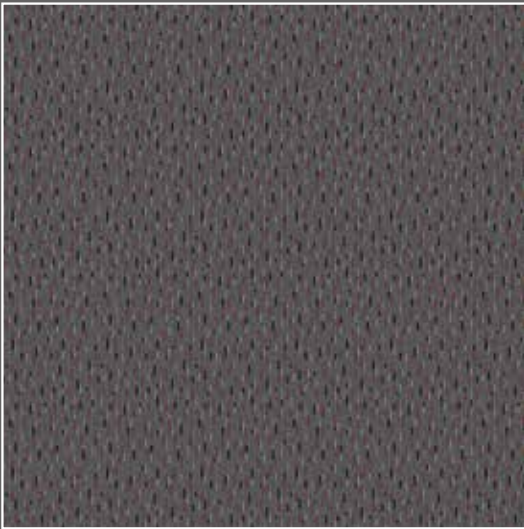
Altro Transflor Metris Custom
in Grass 1

Altro Transflor Metris™ Custom



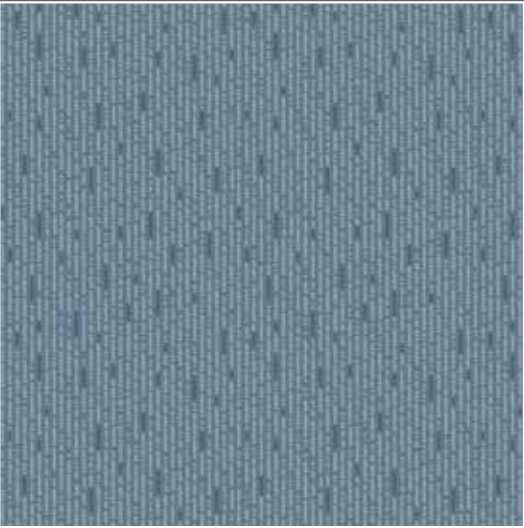
Arrow 1 (small)
DPSMT0101

Design repeat: 50 x 67.71mm



Arrow 2 (small)
DPSMT0102

Design repeat: 50 x 67.71mm



Arrow 3 (large)
DPSMT0103

Design repeat: 125 x 169.25mm



Arrow 3 (large)
DPSMT0104

Design repeat: 125 x 169.25mm

All swatche shown above appear at 25% of actual size.

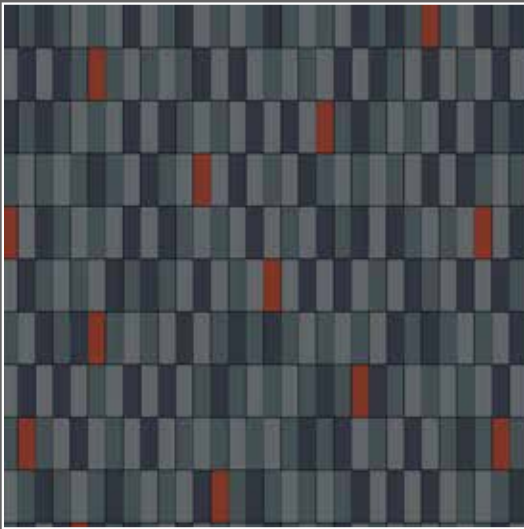
Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Metris Custom is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

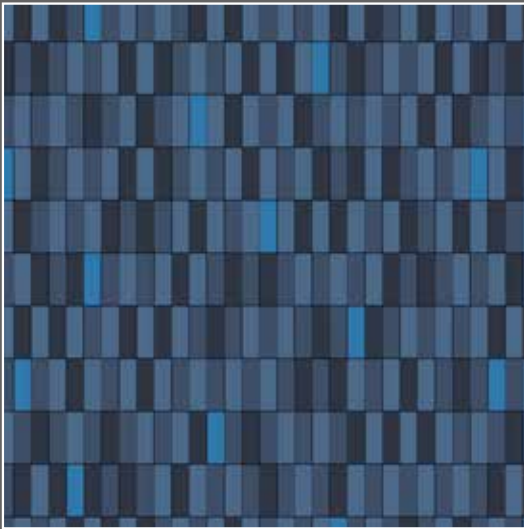


Altro Transflor Metris™ Custom



Rectangle flash 1
DPSMT0111

Design repeat: 250.5 x 334mm



Rectangle flash 2
DPSMT0112

Design repeat: 250.5 x 334mm



Chrome transition
DPSMT0013

Design repeat: 1900 x 1000mm

All swatche shown above appear at 25% of actual size.

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Metris Custom is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod



Altro Transflor Metris™ Custom



Sand 1
DPSMT0052

Design repeat: 2000 x 666,67mm



Pebbles 1
DPSMT0067

Design repeat: 2000 x 1000mm



Grass 1
DPSMT0059

Design repeat: 2000 x 1000mm



Water 2
DPSMT0072

Design repeat: 2000 x 1000mm

All swatche shown above appear at 25% of actual size.

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Metris Custom is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

10

year

product guarantee

R10

15dB

low VOC

Altro Transflor Metris™ Custom



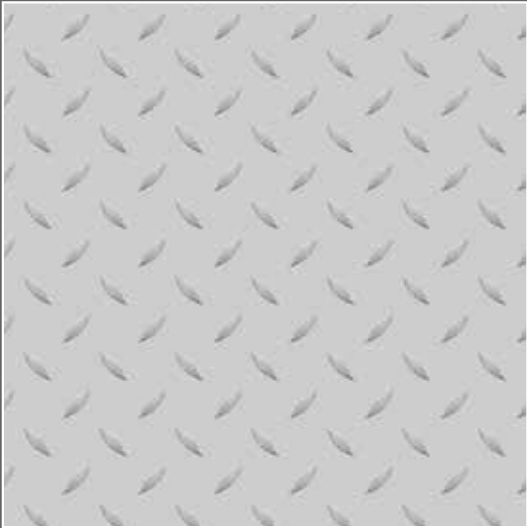
Cobbles 1
DPSMT0054

Design repeat: 2000 x 1000mm



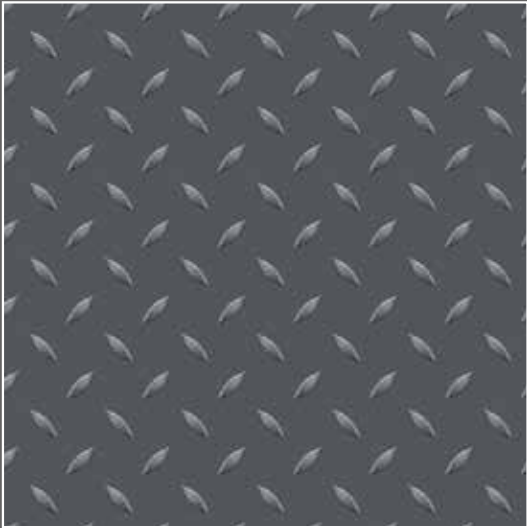
Paving 2
DPSMT0056

Design repeat: 2000 x 1000mm



Check plate 1
DPSMT0105

Design repeat: 40 x 40mm



Checker plate 2
DPSMT0106

Design repeat: 40 x 40mm

All swatche shown above appear at 25% of actual size.

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Metris Custom is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

10

year

product guarantee

R10

15dB

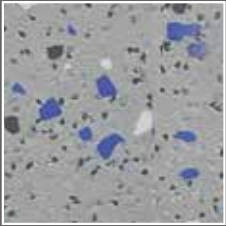
low VOC



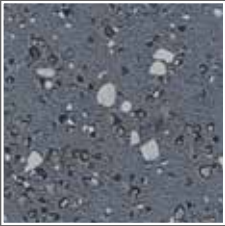
Altro Transflor Chroma EV in Gene

Altro Transflor Chroma™ EV

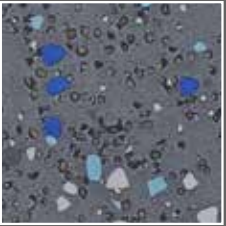
2.2mm lightweight chipped safety floor engineered for high performance slip resistance, dependable resilience, easy cleaning and options for streamlining installation.



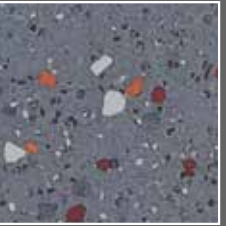
Strada
TFCR2263EV
WR81 / A1M81 / LRV 26



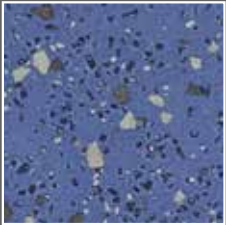
Tuscan
TFCR2278EV
WR83 / A1M83 / LRV 14



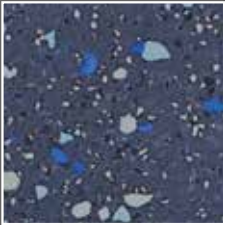
Cayman
TFCR2261EV
WR83 / A1M83 / LRV 14



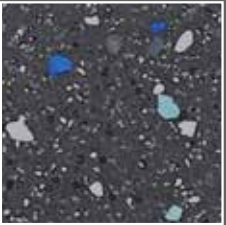
Viper
TFCR2265EV
WR83 / A1M83 / LRV 14



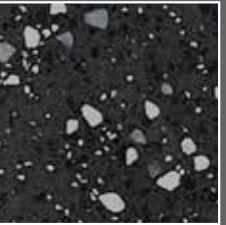
Quattro
TFCR2275EV
WR249 / A1M249 / LRV 15



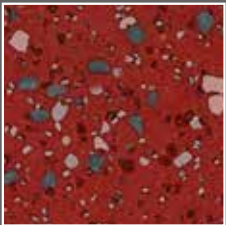
Capri
TFCR2260EV
WR231 / A1M73 / LRV 11



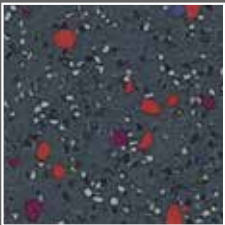
Patriot
TFCR22908EV
WR101 / A1M72 / LRV 10



Phantom
TFCR2272EV
WR100 / A1M100 / LRV 7



Sprint
TFCR2274EV
WR248 / A1M238 / LRV 12



Gene
TFCR2203EV
WR72 / A1M72 / LRV 8

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Chroma EV is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

12 year product guarantee

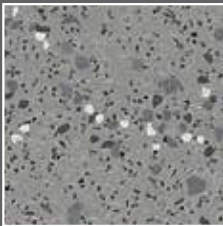
ASTM D2047 ≥0.6

Pendulum test PTV ≥36

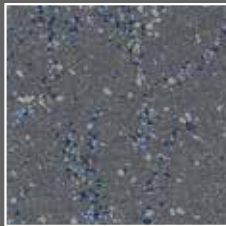
R10

Altro Transflor Figura™ EV

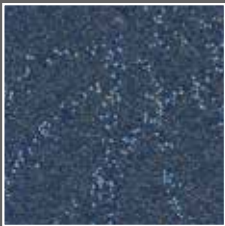
2.2mm lightweight chipped safety floor engineered for high performance slip resistance, striking design, easy cleaning and options for streamlining installation.



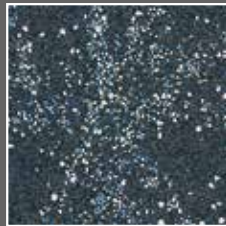
Sparkler
TFFG2202EV
WR81 / A1M81 / LRV 25



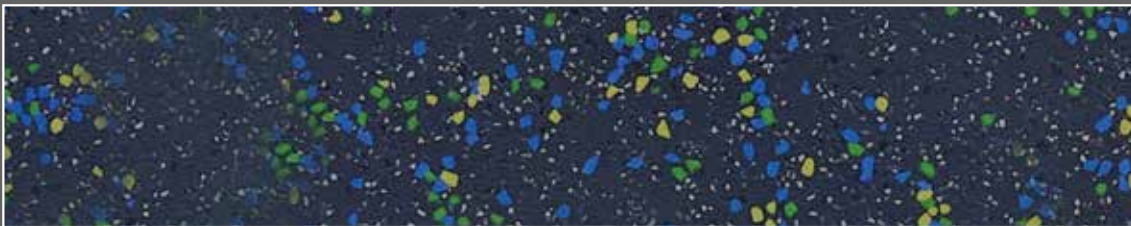
Crackle
TFFG2206EV
WR83 / A1M83 / LRV 15



Laser
TFFG2203EV
WR231 / A1M73 / LRV 11



Rocket
TFFG2204EV
WR72 / A1M72 / LRV 8



Dazzle
TFFG2207EV
WR73 / A1M73 / LRV 10



Pinwheel
TFFG2205EV
WR100 / A1M100 / LRV 7

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Figura EV is available for use with the above installation services.

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod

12

year

product guarantee

ASTM

D2047

≥0.6

Pendulum test

PTV

≥36

R

10

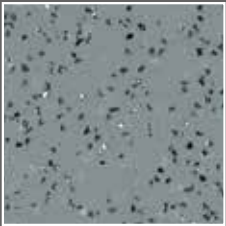


Altro Transflor Figura EV
in Sparkler



Altro Transflor Meta™

A lightweight, chip-free bus floor with excellent sustained slip resistance engineered for resilience and top performance, with simplicity and practicality.



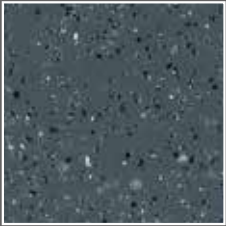
Pewter Grey
TFM2289 (2.2 mm)
TFM2789 (2.7 mm)
WR81 / A1M81 / LRV 25



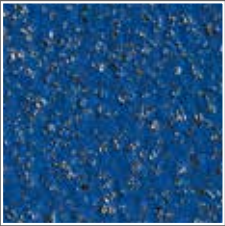
Storm
TFM22903 (2.2 mm)
TFM27903 (2.7 mm)
WR82 / A1M82 / LRV 16



Midnight
TFM22421 (2.2 mm)
TFM27421 (2.7mm)
WR72 / A1M72 / LRV 8



Genome
TFM2202 (2.2 mm)
TFM2702 (2.7 mm)
WR83 / A1M83 / LRV 15



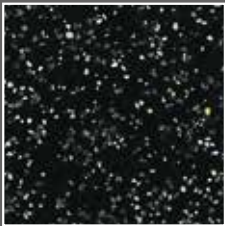
Supra
TFM22913 (2.2 mm)
TFM27913 (2.7 mm)
WR102 / A1M200 / LRV 9



Radial
TFM2206 (2.2 mm)
TFM2706 (2.7 mm)
WR39 / A1M73 / LRV 7



Torino
TFM2274 (2.2 mm)
TFM2774 (2.7 mm)
WR248 / A1M238 / LRV 10



Black
TFM22892 (2.2 mm)
TFM27892 (2.7 mm)
WR100 / A1M100 / LRV 7

Laminated logos	Reverse welding	Pre-cut floors	Self-adhesive
✓	✓	✓	✓

Altro Transflor Meta is available for use with the above installation services.

Altro Transflor Meta in Pewter Grey

i LRV = Light Reflectance Value
A1M = Mastic
WR = Weld rod



Technical table

Altro Transflor Artis		
Fire performance	ECE-R118 FMVSS 302/CMVSS 302	Pass Pass
Flooring type	ASTM D2047 EN 16165 Annex B	Heterogeneous floor Type I / Grade 1 / Class A
Slip resistance	ASTM D2047 EN 16165 Annex B PTV	≥ 0.6 R10 -
Impact sound insulation	EN ISO 10140-3	ca. 4 dB
Airbourne sound insulation	EN ISO 10140-2	ca. 23 dB
Thickness	EN ISO 24346	2.2 mm / 0.088"
Wear layer thickness	EN ISO 24340	0.7 mm / 0.027"
Flexibility	EN ISO 24344	Pass
Weight	EN ISO 23997	2.68 kg/m² / 4.93lb/sy
Roll dimensions	EN ISO 24341	2 m x 20 m - 40 m² 6'7" x 65'5"
Light fastness	EN ISO 105-B02	≥ 6
Wear resistance	EN 660-2	Group T
Residual indentation	EN ISO 24343-1	≤ 0.10 mm
Dimensional stability	EN ISO 23999	≤ 0.4 %
Thermal conductivity	EN 12667	0.131 W/mK
Chemical resistance*	EN ISO 26987	Good
Castor chair abrasion	ISO 4918	Pass
Electrical behaviours	EN 1815	≤ 2kV antistatic

*Caution ketone / aromatic solvents. Please contact Altro for further technical advice regarding staining and chemical resistance

Altro Transflor Metris	Altro Transflor Sonis	Altro Transflor Metris Custom
Pass Pass	Pass Pass	Pass Pass
Heterogeneous floor Type I / Grade 1 / Class A	Heterogeneous floor Type I / Grade 1 / Class C	- -
≥ 0.6 R10 ≥ 36	≥ 0.6 R10 ≥ 36	- ≥ 0.6 R10
ca. 15 dB	ca. 19 dB	-
ca. 23 dB	ca. 24 dB	-
2.85 mm / 0.11"	3.9 mm / 0.15"	2.85 mm / 0.11"
0.7 mm / 0.027"	0.7 mm / 0.027"	0.7 mm / 0.027"
Pass	Pass	Pass
2.60 kg/² / 4.79 lb/sy	2.9 kg/m² / 5.34 lb/sy	2.6 kg/m² / 4.79lb/sy
2 m x 20 m - 40 m² 6'7" x 65'5"	2 m x 20 m - 40 m² 6'7" x 65'5"	2 m x 20 m - 40 m² 6'7" x 65'5"
≥ 6	≥ 6	≥ 6
Group T	Group T	Group T
≤ 0.20 mm	≤ 0.20 mm	≤ 0.20 mm
≤ 0.4 %	≤ 0.4 %	-
0.108 W/mK	0.076 W/mK	-
Good	Good	Good
Pass	Pass	Yes, type W
≤ 2kV antistatic	≤ 2kV antistatic	≤ 2kV antistatic

Technical table

		Altro Transflor Meta 2.2 mm
Fire performance	ECE-R118 FMVSS 302 / CMVSS 302 ASTM E648 BS 476 pt 7	Safety flooring
Flooring type	EN 13845	Safety flooring
Slip resistance	PTV ASTM D2047 DIN 51130 / EN 16165 Annex B	≥ 36 ≥ 0.6 R10
Thickness	EN ISO 24346	2.2 mm / 0.088"
Wear layer thickness	EN ISO 24340	1.2 mm / 0.047"
Flexibility	EN ISO 24344	Pass
Weight	EN ISO 23997	2.2kg/m² / 4.05lbs/yd² +/- 10%
Roll dimensions	EN ISO 24341	2 m x 20 m - 40 m² 6'7" x 65'7"
Light fastness	EN ISO 105-B02	≥ 6
Wear resistance	EN 13845 Annex D	≤ 10% particles lost over 50,000 cycles
Residual indentation	EN ISO 24343-1	≤ 0.10 mm
Chemical resistance*	EN ISO 26987	Good
Castor chair abrasion	ISO 4918	Yes, type W
Electrical behaviours	EN 1815	≤ 2kV antistatic
Sound insulation	EN ISO 10140-3	5dB

*Caution ketone / aromatic solvents. Please contact Altro for further technical advice regarding staining and chemical resistance

Altro Transflor Meta 2.7 mm	Altro Transflor Chroma EV	Altro Transflor Figura EV
Pass Pass Class 1 Class 1	Pass Pass Class 1 Class 1	Pass Pass Class 1 Class 1
Safety flooring	Safety flooring	Safety flooring
≥ 36 ≥ 0.6 R10	≥ 36 ≥ 0.6 R10	≥ 36 ≥ 0.6 R10
2.7 mm / 0.108"	2.2 mm / 0.088"	2.2 mm / 0.088"
1.4 mm / 0.055"	1.2 mm / 0.047"	1.2 mm / 0.047"
Pass	Pass	Pass
2.7kg/m² / 4.98lbs/yd² +/- 10%	2.2kg/m² / 4.05lbs/yd² +/- 10%	2.2kg/m² / 4.05lbs/yd² +/- 10%
2 m x 20 m - 40 m² 6'7" x 65'7"	2 m x 20 m - 40 m² 6'7" x 65'7"	2 m x 20 m - 40 m² 6'7" x 65'7"
≥ 6	≥ 6	≥ 6
≤ 10% particles lost over 50,000 cycles	≤ 10% particles lost over 50,000 cycles	≤ 10% particles lost over 50,000 cycles
≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm
Good	Good	Good
Yes, type W	Pass	Pass
≤ 2kV antistatic	≤ 2kV antistatic	≤ 2kV antistatic
5dB	5dB	5dB



Pre-cut flooring service

Pre-cut flooring kits

Receive your flooring pre-cut to fit your exact vehicle dimensions to save time on floor fitting and reduce waste going to landfill.

Using a floorplan of your vehicle, we use our in-house cutting technology to pre-cut your flooring order, delivering convenient lighter, smaller pre-cut rolls, saving you time and effort. Especially useful for those tricky confined areas with turns, twists and undulations, Altro's pre-cut floors provide the most direct route to installation success.

Installation benefits

Altro's pre-cut floors reduce installation time, minimise waste, and simplify the process of fitting a floor. With the main cutting taken care of at our UK factory, all offcuts are absorbed into our recycling system, drastically reducing the amount of flooring which ends up in landfill. At installation, all operatives need to do is lay the flooring, trim to fit if needed and proceed with installation as usual.



Did you know?

Our cutting process takes place in-house at our UK factory, meaning less shipping before your order reaches you.

Altro's pre-cut flooring service is cross-compatible with our reverse welding service.



Self-adhesive floors

Installation advantages

Designed specifically to remove the need for manual adhesive application and curing times, Altro self-adhesive flooring provides further time-saving possibilities. Pre-applied backing is available for all our bus flooring products and completely cuts adhesive application and curing time. Once positioned and bonded, self-adhesive flooring can be welded and walked on immediately, allowing interior assembly and refurbishment to continue without delay. The solution works with all commonly used subfloors, providing consistent results every time. It can also be used with pre-cut kits to achieve even greater efficiencies. Altro is the only manufacturer with the capability to offer both solutions in-house for consistent quality control.

Clean and lightweight

The intuitive system is easy to use, requires no specialist tools, and by removing the need for adhesive mixing and application, reduces mess. Better still, the lack of traditional adhesives ensures a cleaner interior air quality for your installation team, removing almost all harmful VOC emissions. Meanwhile, the uniform application of adhesive applied to the backing results in an adhesive weight saving of 60% per m² compared to the recommended applications of polyurethane and contact adhesives.



“With Altro’s self-adhesive service we can save an estimated 4 hours on installation time. This has huge implications for savings on labour costs as well as increasing the efficiency of our output of vehicles.”

Cheyne Rauber,
Vice President / General Manager,
Matthews Specialty Vehicles, USA



Did you know?

Using Altro’s self-adhesive solution will save you 60% adhesive weight per m²

All Altro bus floors are available
in a self-adhesive format



A "priority space" logo in Safety White
on Altro Transflor Wood in Manor Oak



Laminated logo service

Altro's laminated logos combine intricate design with robust performance to provide intelligent signage and wayfinding for transport applications.

Our multi-layered logo tiles provide maximum protection against water ingress, compliant to EN 13553: 2017 water tightness standards, bringing you peace of mind that the subfloor of your vehicle will remain protected. Altro laminated logos also retain high levels of flexibility to facilitate easy installation and coving.

Design possibilities

The intricate cutting capabilities of our in-house equipment means that, with our laminated logo service, designs aren't limited to standard floor signage. Text, patterns, even your service city's skyline – the possibilities are endless. Compatible with our entire portfolio of bus floors, our laminated logo service opens up more design options than ever before.



Did you know?

Our laminated logos are compliant to EN 13553: 2017 water tightness standards.



Reverse welding service

Order your flooring pre-welded on the underside of the floor.

With the weld on the underside, the join between two flooring sheets is all but invisible – so that your carefully chosen design remains uninterrupted. It also means that the weld is protected from the risk of failure due to wear from foot and wheel traffic. Finally, floors welded on the reverse avoid the formation of a common dirt trap which comes with the traditional weld on the top of the floor, giving you an easier ride when it comes to cleaning.

Great aesthetics

Altro's reverse welding service is compatible with all of our vinyl and acrylic transport floors, but comes into its own with floors where aesthetics are key. The designs of Altro Transflor Metris Custom, Altro Transflor Wood and Altro Transflor Artis shine best when uninterrupted by weld lines



Did you know?

Our reverse welds are stringently vacuum (DVS 2225-3) and water tested (EN 13553: 2017) to ensure subfloor protection.



Left: traditionally welded floor; Right: reverse welded floor



Expert advice ensures optimum installations

Technical support

Installation guidance

To gain the best possible performance from your Altro flooring, it's important that it's installed correctly. Our highly-skilled technical services team can offer free expert advice to help ensure fitters know how to achieve the best possible results. This not only means that your team develop their own working knowledge and efficiency, but also that any potential failures arising from installation issues are reduced to an absolute minimum.

We also have a range of installation videos available to give you information and demonstrations of the correct processes from subfloor preparation, through cutting and welding, to post installation clean up. Find them on our website:

<https://www.altro.co.uk/Support/Videos/How-to-install-our-transport-products/Altro-transport-installation-1-Introduction>

Continued support

When you invest in Altro flooring, you enter into a partnership that we take seriously. We're available to advise and instruct on technical areas to provide guidance and facilitate product longevity. Whether you have a situation with a subfloor, a question on cleaning or you're wondering about a weld, if you require advice we're here to listen and here to help.



Did you know?

Altro offer a wide range of weld rods in different colours and profiles to help you achieve the best possible finish.

Cleaning and maintenance

Keep up performance

All Altro bus floors are engineered to ensure an easy and fast cleaning and maintenance regime. Gone are the days where safety floors meant a maintenance nightmare – all of our floors, regardless of construction, offer improved ease of cleaning and superior scuff and stain resistance.

In order to keep our floors looking great and performing well, Altro recommend a robust cleaning regime incorporating both routine and deep cleaning, as needed on each individual vehicle. For the best results on bus floors, Altro recommends the use of AltroClean 44™ or products in the Autoglym Connect range.

Neutral-based cleaning

Our next generation floors clean well even with the less aggressive, neutral detergents often specified in modern vehicle warranties. Thanks to Altro ShieldGrip technology, our floors facilitate easy cleaning without the need of corrosive alkaline-based detergents that are harmful for the environment.

Guidance

A wide range of cleaning guidance is available in written, pictorial and video format:

Online tips for cleaning transport floors:
<https://www.altro.co.uk/Cleaning-for-transport-floors>

Routine cleaning video: <https://www.youtube.com/watch?v=BmpygLYoOB0&list=PL3BwE2pZvhvzIMTwdTRwEZdXzWQ-4U9ZY&index=20>

Cleaning guide: <https://www.altro.co.uk/Support/Technical-documents/Cleaning-and-maintenance/Altro-Transport-flooring-cleaning-guide>

Pictorial cleaning guide: <https://www.altro.co.uk/Support/Technical-documents/Cleaning-and-maintenance/Altro-Transflor-illustrated-cleaning-guide>





Altro's in-house recycling facility

Sustainability

Living a more sustainable lifestyle is one of the biggest draws for passengers to choose public transport over their own private cars, so we believe that fitting your vehicles with sustainably conscious components shows a strong commitment to a greener environment.

Raw materials

At Altro, sustainability drives the choices we make. It starts with the environmentally friendly raw materials we choose to go into our products which enable us to produce orthophthalate-free vinyl floors containing bio-plasticisers.

Recycling

Our commitment to sustainability has also enabled us to become the first manufacturer to recycle traditional safety flooring in-house. Altro flooring even contains recycled particulates including post-consumer recycled glass, which would otherwise be destined for landfill.

Since 2014 we've achieved 0% waste-to-landfill, an achievement to be proud of.

Our latest collection of floors no longer depend on hard aggregates to produce sustained sli-resistance. This allows our products to be processed far more easily and enable recycling of waste and off-cuts on a wider scale.

Passing on the benefits

To further support our ongoing vision – and those of our customers – we offer a range of services which aid in the sustainability of your project.

Save on waste with our kit cutting service, meaning no flooring goes to landfill.

Reduce harmful VOCs with our self-adhesive installation method, meaning cleaner air.

Operate on better fuel efficiency with our lightweight product construction.



Why choose Altro

Altro is a name you can trust with proven experience supplying the Transport industry for over 60 years. Our floors are of the highest quality and meet all international standards. Key reasons to ask for Altro include:

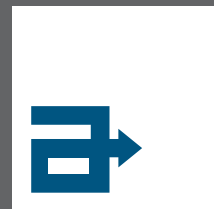
- high performance durability to protect your vehicles
- intelligently engineered products to keep your passengers safe
- a range of exciting designs complemented by the creative freedom to enhance passenger experience
- lightweight products for improved fuel economy
- innovative solutions to support installation and maintenance
- dedicated service and technical support to meet customer needs
- inclusive design considerations that help improve transport environments for all, increasing ridership
- innovative thermal and acoustic insulative properties that revolutionise passenger experiences.

Samples

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

☎ 01462 707600

✉ enquiries@altro.com



altro

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☎ 01462 707600 ✉ enquiries@altro.com



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