



altro

Slip-resistant flooring

An introduction to using slip-resistant flooring from Altro

discover [altro.com](https://www.altro.com)

learning library

In many commercial areas, your slip risk is not as high as the specialist area types like commercial kitchens and other wet environments. But your patrons, patients, students and employees still deserve to be secure on their feet — and you deserve peace of mind. We offer slip-resistant flooring that meets and exceeds safety standards. It reduces the risk of slips and falls and looks good doing so. It has become a practical and durable commercial flooring solution in a variety of application areas.

Altro Reliance 25, Altro Walkway 20, Altro XpressLay

Typical applications

- Healthcare
- Education
- Back-of-house
- High traffic areas
- Manufacturing and industrial areas
- General purpose areas

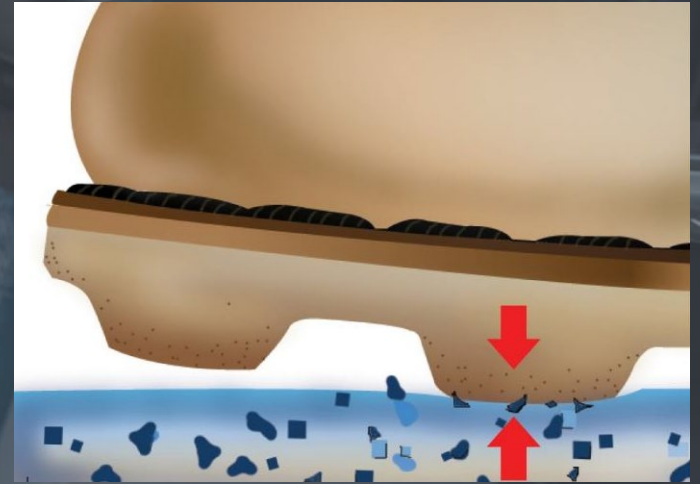
Altro flooring is suitable for many commercial areas but how do you know which flooring is right?

Risk of slips	Altro R12 (Altro Stronghold 30)	Altro R11 (Altro Classic 25)	Altro R10 (Altro Atlas 40)
Water	1 in a million	1 in a million	1 in a million
Vegetable oil	1 in a million	1 in 100,000	1 in 20
Greasy water	1 in a million	1 in 100,000	1 in 20
Milk	1 in a million	1 in a million	1 in a million
Flour	1 in a million	1 in a million	1 in a million
Plastic wrapping	1 in a million	1 in a million	1 in a million

How does safety flooring work?

Our unique, patented construction of flexible, high grade vinyl with slip resistant grains throughout the wear layer ensures a safe, durable surface for the life of the floor.

Altro slip-resistant flooring appears smooth on the surface however, the pressure created from walking causes the slip resistant grains to push up and grip the shoe, creating friction and slip resistance.



And how do you measure it?

Static coefficient of friction

A device called the James Machine pulls a small weighted sled over the floor surface. The result is the measurement of friction the surface creates. This is the accepted standard measure of slip resistance used in North America.

While this standard only requires testing over dry conditions, at Altro we test our flooring in both dry and wet conditions.

It's a pioneering approach that gives you complete peace of mind.

.92D
.88W

Dynamic coefficient of friction

Unlike static, the dynamic test measures the amount of force required to keep an object in motion as it slides. It is believed that dynamic testing may represent more life-like, real world scenarios, as a slip and fall generally starts from a state of motion - not standing still.

Altro safety flooring achieves up to .74.

.74
DCOF

Pendulum test

Popular in the UK, this is a test standard that is portable, allowing for on-site tests. The test incorporates a rubber shoe heel that sweeps over a set of flooring in a controlled manner and produces a pendulum value of measuring the potential to slip. A result of <25 is very high risk and a result of >36 and above is low risk.

Altro safety flooring achieves up to >55.

Pendulum test:
PTV
≥55

Ramp test

This standard, popular in Europe, uses test subjects who walk backward and forward on an angled ramp, in a controlled manner over a flooring sample contaminated with water, oil, or other liquids. Results are achieved when the test subject loses balance and falls and are classified on a numbered scale with a rating of a R-Value.

Altro offers safety flooring up to R12.

R12



Altro Reliance 25

Slip-resistant flooring



Altro Reliance 25

Slip-resistant flooring

Confidence, trust and assurance – Altro Reliance 25 is a premium choice in heavy duty commercial flooring. At 2.5mm thick, it is highly durable and can cope with high levels of foot and wheeled traffic without compromising on performance.



Altro Reliance 25

Thickness
2.5mm

Dimensions
6'7" x 65'5" | 2.0m x 20m

Wear layer
2.5mm, homogeneous

Static load limit
2000 psi

Sound insulation
7dB

Warranty
15 years

Static coefficient of friction
>.8 Dry / .9 Wet

Ramp test
R10

Pendulum test
40+

VOCs
FloorScore certified

Content
Biobased + recycled content

LEED credits
6

Altro Reliance 25

Features + benefits

- Highly durable and robust at 2.5mm thick
- Both traditional and modern looks available
- Able to endure high levels of foot and wheeled traffic
- Achieves R10 slip resistance rating and SCoF of .8 dry, .9 wet
- FloorScore Certified / Low VOCs



Altro Reliance 25



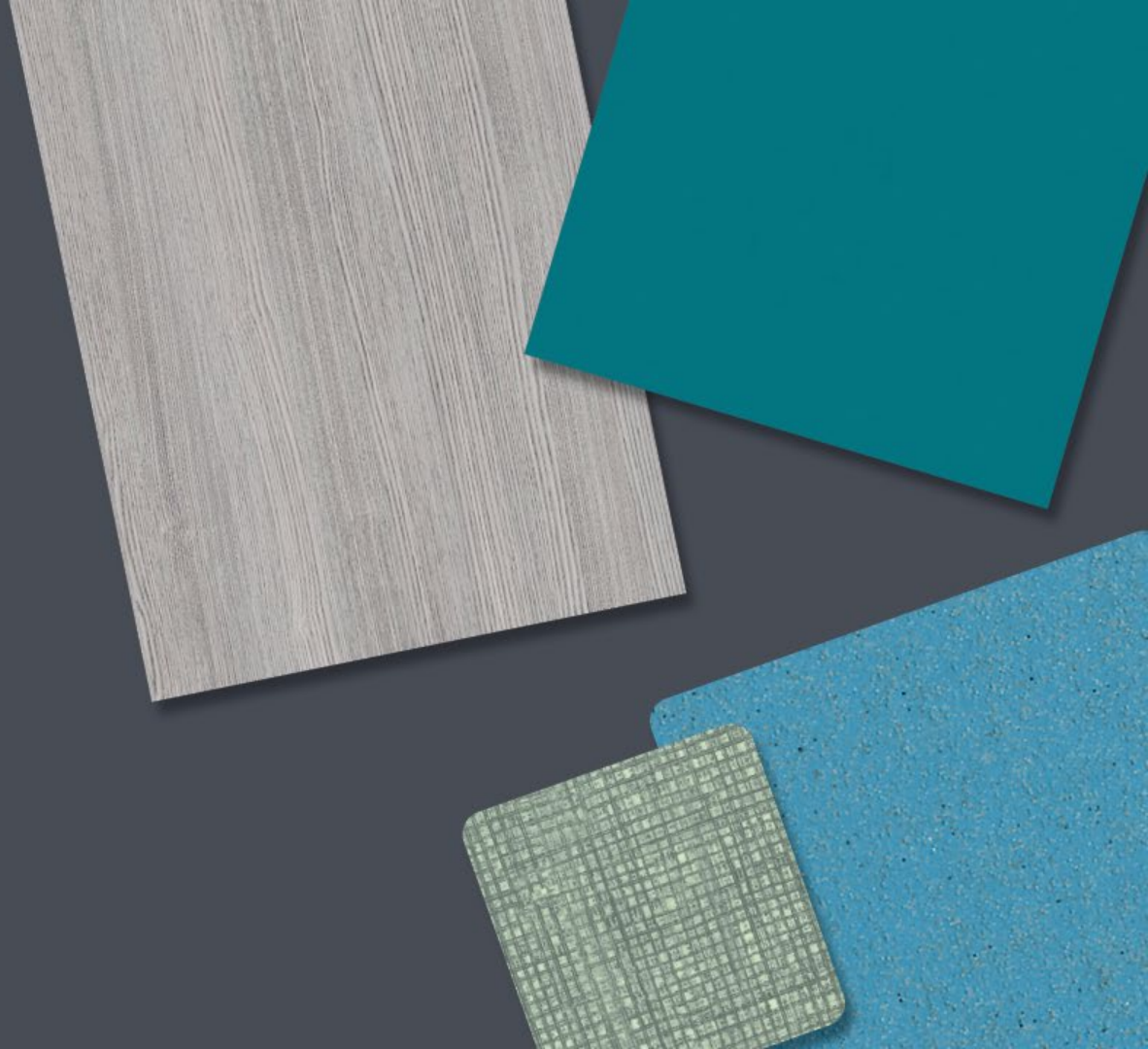
Typical applications

- Healthcare
- Laboratories
- Kitchens
- Bars
- Cafeterias
- Veterinary
- Industrial areas
- Manufacturing
- Chemical processing
- Machine shops

Works well with

- Altro Symphonia
- Altro Whiterock
- Altro Walkway 20
- Altro Orchestra
- Altro Lavencia

Altro Reliance 25





Altro Reliance 25

The Deep



Altro Reliance 25

Hitchin RFC



Altro Reliance 25

Mount Vernon Hospital



Altro Reliance 25

Newcastle College



Altro Walkway 20

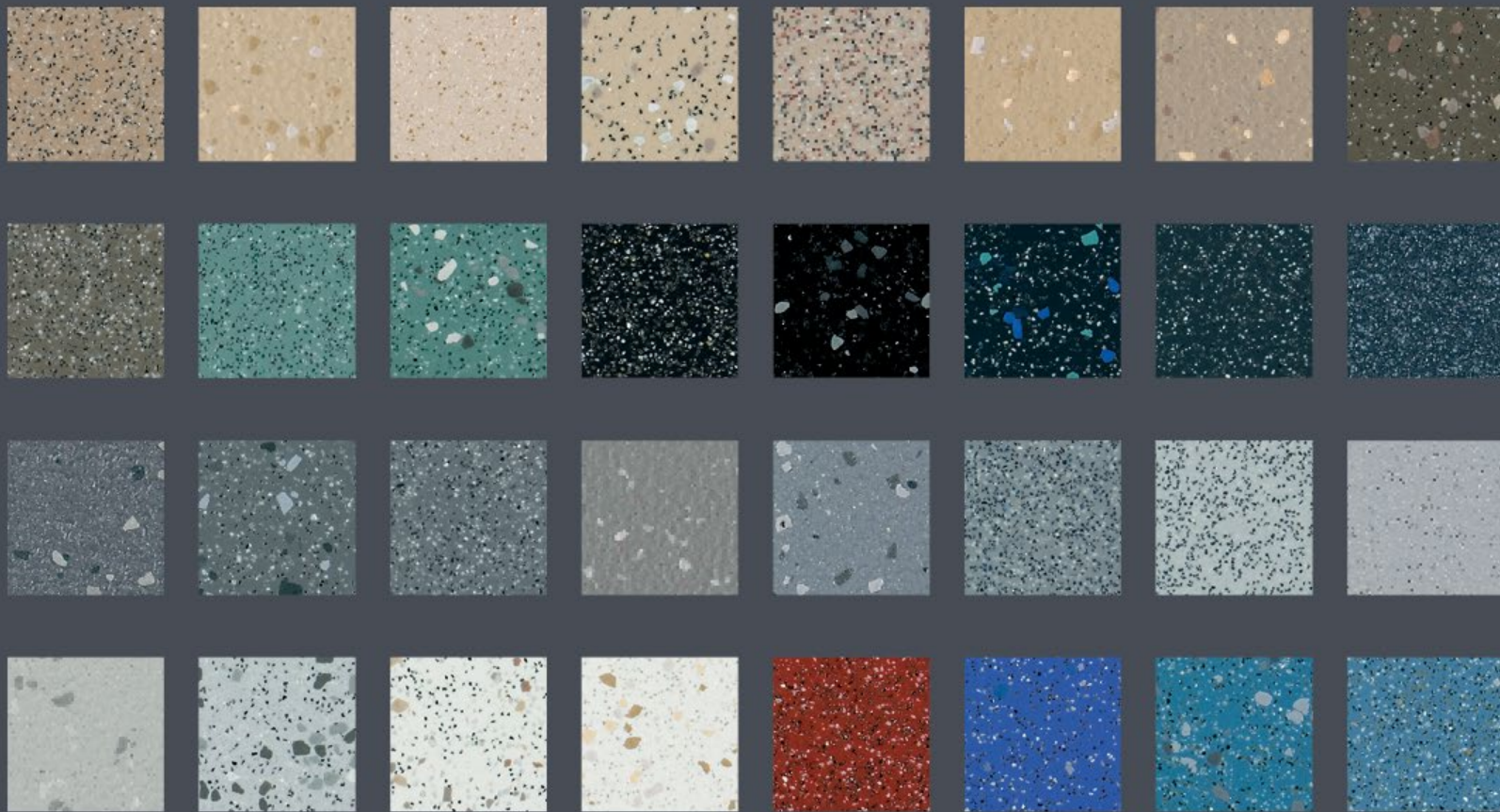
Slip-resistant flooring



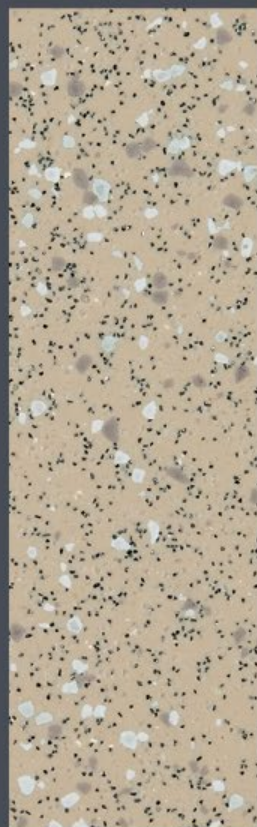
Altro Walkway 20

Slip-resistant flooring

Altro Walkway 20 is our hugely popular hard-wearing 2mm safety flooring. The range also shares its palette with Altro XpressLay. This enables you to combine both ranges when you need traditionally adhered and adhesive-free safety flooring in adjacent areas while maintaining a consistent look.



Altro Walkway 20



These select quick-ship colors, are heavily stocked and consistently available in our North American warehouses.

- Streetlight
- Dolphin
- Sand
- Tundra

Thickness
2.0mm

Dimensions
6'7" x 65'5" | 2.0m x 20m

Wear layer
2.0mm, homogeneous

Static load limit
1000 psi

Sound insulation
5dB

Warranty
10 years

Static coefficient of friction
.78 Dry / .8 Wet

Ramp test
R10

Pendulum test
36+

VOCs
FloorScore certified

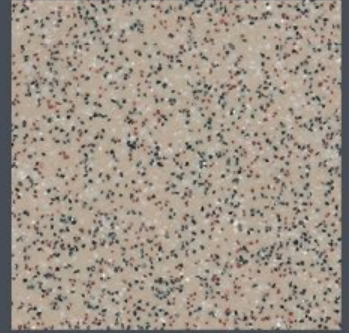
Content
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LEED credits
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Altro Walkway 20

Features + benefits

- Hard-wearing 2mm slip-resistant flooring
- Shares palette with Altro XpressLay, allows coordination between traditionally adhered and adhesive-free safety flooring
- Shares colors with Altro Aquarius for seamless transition between wet and dry areas
- Static dissipative version available
- Achieves R10 slip resistance rating and SCoF of .78 dry, .8 wet
- FloorScore Certified / Low VOCs





Typical applications

- General purpose

Altro Walkway 20

Works well with

- Altro Aquarius
- Altro Wood
- Altro Orchestra
- Altro XpressLay
- Altro Whiterock

Altro Walkway 20





Altro Walkway 20

Gulf Coast Vet



Altro Walkway 20

Commonwealth Games Arena



Altro Walkway 20

St. Teresa Place



Altro Walkway 20

Bedford Modern School



Altro XpressLay

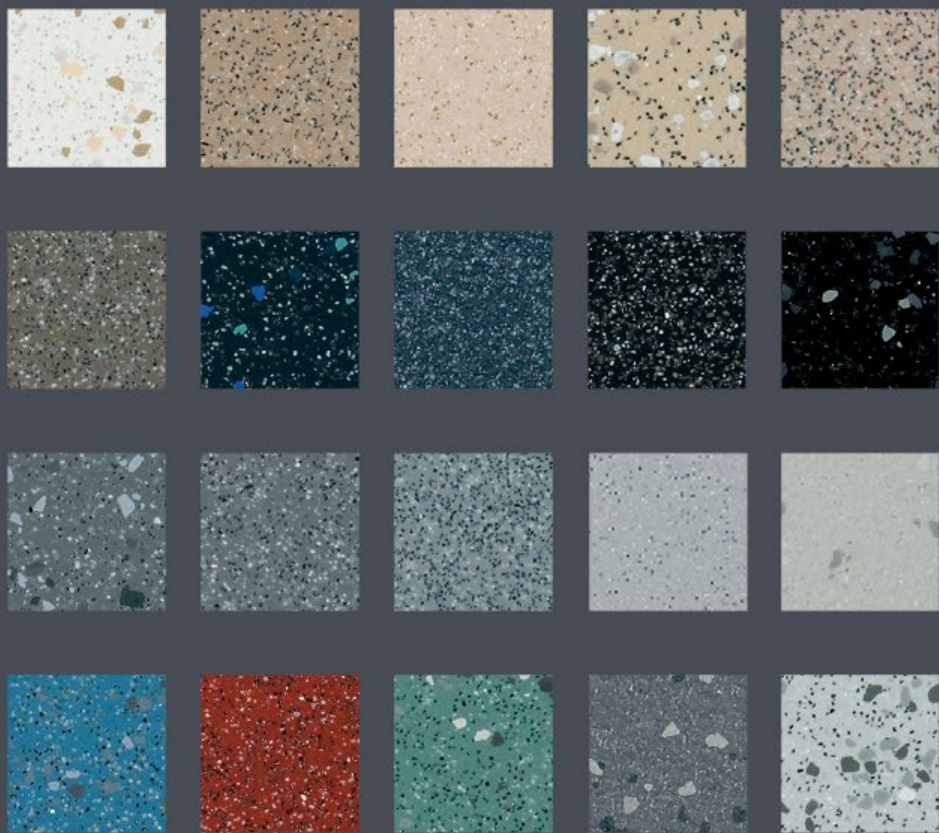
Slip-resistant, adhesive-free flooring



Altro XpressLay

Slip-resistant, adhesive-free flooring

Altro XpressLay is the next step in the evolution of slip-resistant flooring. It's installed using a tape system instead of adhesive, so it can be installed without a surface DPM. This means that you can weld the same day it is installed, greatly reducing installation time. It can be easily removed post-installation, reused elsewhere and then recycled at the end of its life.



Altro XpressLay



These select quick-ship colors, are heavily stocked and consistently available in our North American warehouses.

- Swan
- Sand
- Biscuit
- Tundra
- Fog
- Dolphin
- Pavement
- River

Thickness
2.2mm

Dimensions
6'7" x 65'5" | 2.0m x 20m

Wear layer
.8mm, heterogeneous

Static load limit
2000 psi

Sound insulation
7dB

Warranty
10 years

Static coefficient of friction
.78 Dry / .8 Wet

Ramp test
R10

Pendulum test
36+

VOCs
FloorScore certified

Content
Biobased + recycled content

LEED credits
7

Altro XpressLay

Features + benefits

- World's first adhesive-free slip-resistant floor
- Installed with tape system, does not require surface DPM
- Easily removed post-installation for reuse and recycling
- Shares colors with popular Altro Walkway range
- Can be walked on within 24 hours of installation
- Impressive chemical and stain resistance
- Achieves R10 slip resistance rating and SCoF of .78 dry, .8 wet
- FloorScore Certified / Low VOCs





Typical applications

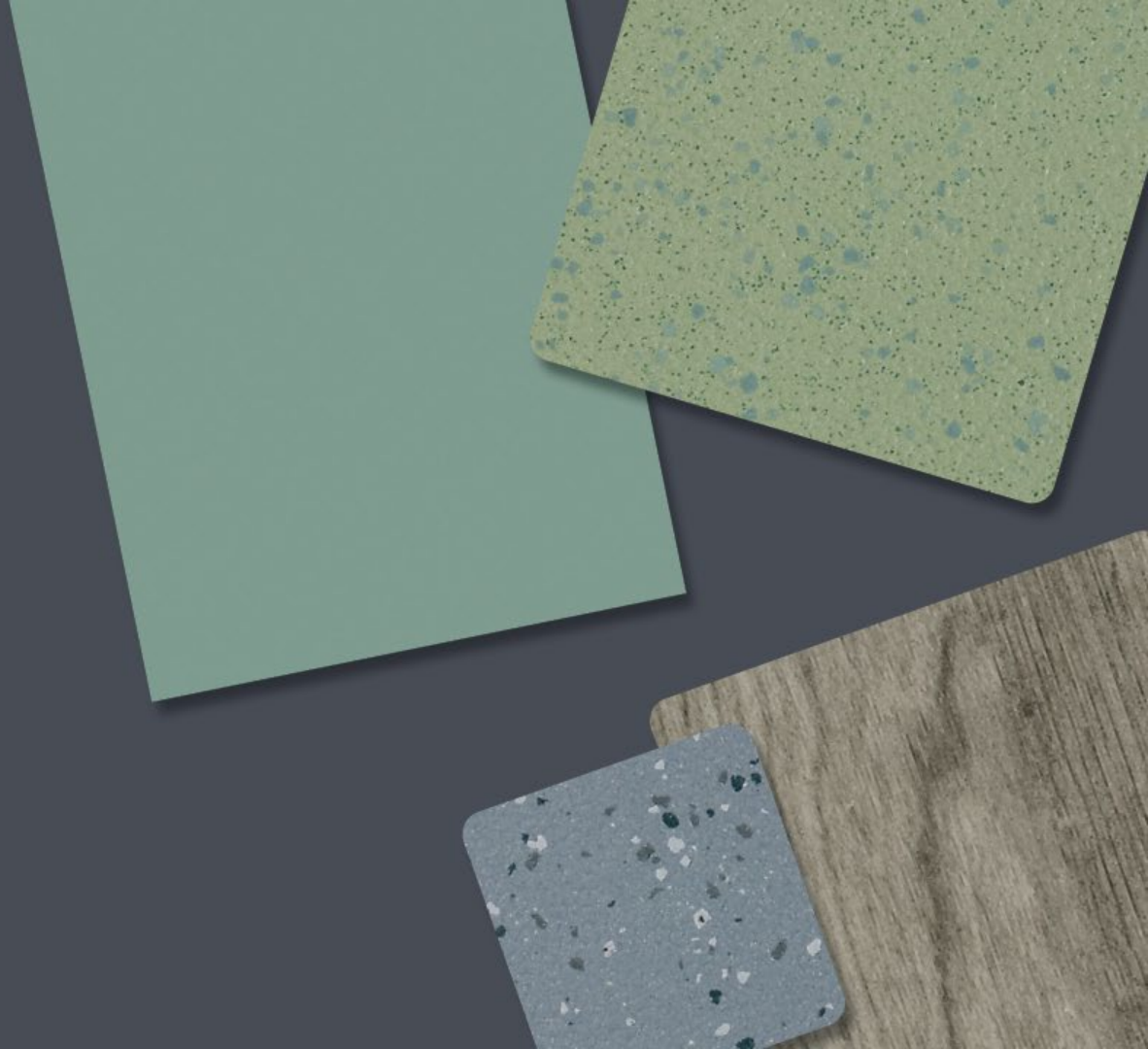
- General purpose
- Fast track projects
- Retrofits
- Education
- Temporary buildings
- Historical buildings

Altro XpressLay

Works well with

- Altro Walkway 20
- Altro Aquarius
- Altro Wood
- Altro Whiterock

Altro XpressLay





Altro XpressLay

Hessle High School



Allro XpressLay

Skidders Academy



Altro XpressLay

Rhyl School



Altro XpressLay

Southmead Hospital

Industry leading cleanability while maintaining slip resistance with Altro EasyClean

- ✓ Not a surface finish – incorporated into product during manufacturing for long-term cleanability.
- ✓ Low dirt pick-up
- ✓ Improved color retention
- ✓ Up to 60% maintenance savings over non PUR treated floors over the lifetime of the floor
- ✓ Cleaning instructions available online and in print
- ✓ Cleaning supplies, including cleansers, formulated to work exceptionally well with Altro products



cleaning

The correct installation and detailing is of the utmost importance in every environment. We pride ourselves in our technical offerings.

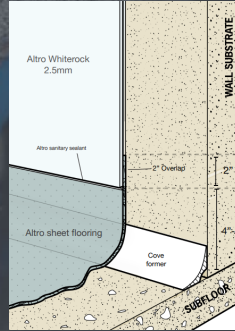
Install guides



Detailing guides



Drawings / CAD



Accessories



Technical services



installation

better together

In areas of frequent spills, hygiene and durability concerns, it's best to let our robust collection of safety flooring and wall protection take the lead.

Install smooth flooring in the dining room and public areas, and bring slip-resistant flooring into the restrooms and behind the bar.

Rest easy knowing your patrons will have an exquisite experience while your most dangerous areas are well equipped to handle the tolls of the day.



We are here to support you with all your commercial flooring and wall cladding needs.

Samples + literature

Specifier resources

CEUs + Installer training

Customer care

800.377.5597
support@altro.com

Submit an online request!

Slip-resistant flooring learning library contact form

Please send me more information!

- Send me a free sample set
- Send me some free literature
- I'm interested in booking a CEU for AIA / IIDA credits (in-person or digital)
- I'm interested in my local Altro representative reaching out via phone or email

Name

First Name

Last Name

Company

Address

Street Address

Street Address Line 2

City

State / Province

Postal / Zip Code

Email



altro

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