



altro

Behavioral and mental health

An introduction to using Altro floors + walls in behavioral and mental health settings

discover altro.com/bmh

learning library



Our story begins in 1919 when a small group of individuals had an idea...

That idea has grown into a global company with over 900 employees and one idea has become many. From inventing safety flooring and developing an integrated hygienic walls system to creating the world's first adhesive-free safety floor.

While the world in 1919 couldn't seem more different from today's our excitement at embracing and developing new technologies and ways of working with our customers is exactly the same as back then.

Add to this, we remain a family business, with family values and I think you have the reason why we're here today, over 100 years later.

our history

To work across multiple sectors requires real-world understanding.

The ability to design for a purpose and address the challenges, issues and regulations for each industry without ever compromising on quality or safety.

We work in the following sectors including niche areas within these sectors;

Healthcare

Hospitality

Transport

Education

Housing

Food + drink production

Leisure

Retail + offices

Prisons + defense

Manufacturing + warehousing

our expertise

Mental illness and care is an increasingly common issue, affecting more than 89 million people in North America with more than \$250 billion in spending and resources annually.

Behavioral and mental health (BMH) facilities require solutions that can facilitate treatment while prioritizing the safety and security of patients, visitors, and staff. Material specified in these areas must be able to meet the following points:

- ✓ Does this material promote healing?
- ✓ Does this material prevent harm?
- ✓ Does this material foster security?

- Low-risk zones
- High-risk zones
- Residential zones
- Common areas
- Restrooms
- Dining areas
- Staff areas

Promote healing

- ✓ Natural finishes (wood, stone looks)
- ✓ Increased light / outdoor views
- ✓ Calming colors
- ✓ Scenes and imagery from nature
- ✓ Open floor plans



Prevent harm

- ✓ Open floor plans
- ✓ Calming colors
- ✓ Ligature-free design
- ✓ Specialized details, trims, and accessories
- ✓ Two-part adhesives and pick-proof caulking



Foster security

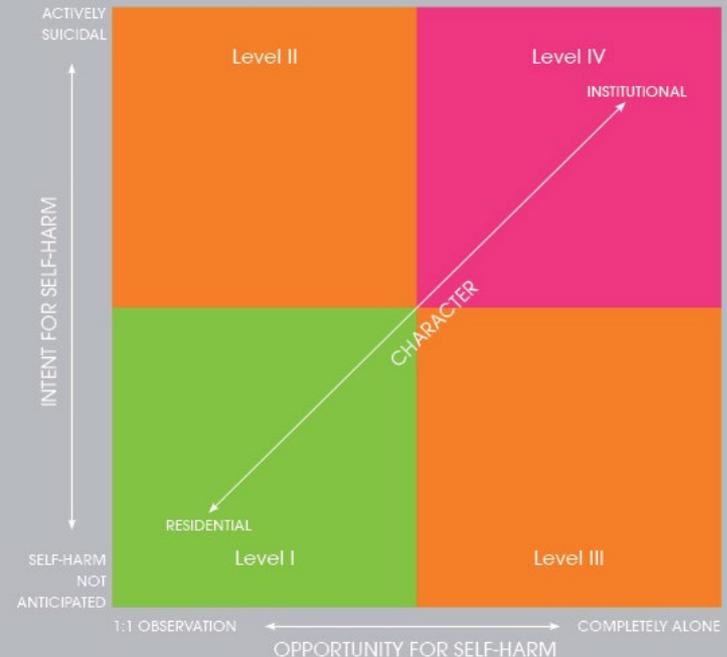
- ✓ Correct use of LRVs
- ✓ Appropriate slip resistance level
- ✓ Underfoot comfort
 - ✓ Forgiving with falls
- ✓ Correct trims and accessories
 - ✓ Deters fixation and picking



When designing a facility, best practices call to use a patient safety risk assessment (PSRA) matrix.

This tool relates an opportunity for a patient to be alone to a level of risk of self-harm. BMH encompasses many conditions and a multitude of centers for treatment.

The level of concern for the safety of patients and staff due to the design of the built environment is not the same in all parts of a behavioral health facility.



Low risk zones

Areas of facilities with constant supervision or low risk



When designing low-risk zones, residential looks are appropriate and encouraged.

Key considerations

More residential-looking finishes and furniture is preferred

Use murals and printed artwork to calm and inspire; must be securely fastened to avoid tampering

With flooring, avoid patterns and color combinations that could contribute to visual misperception

High risk zones

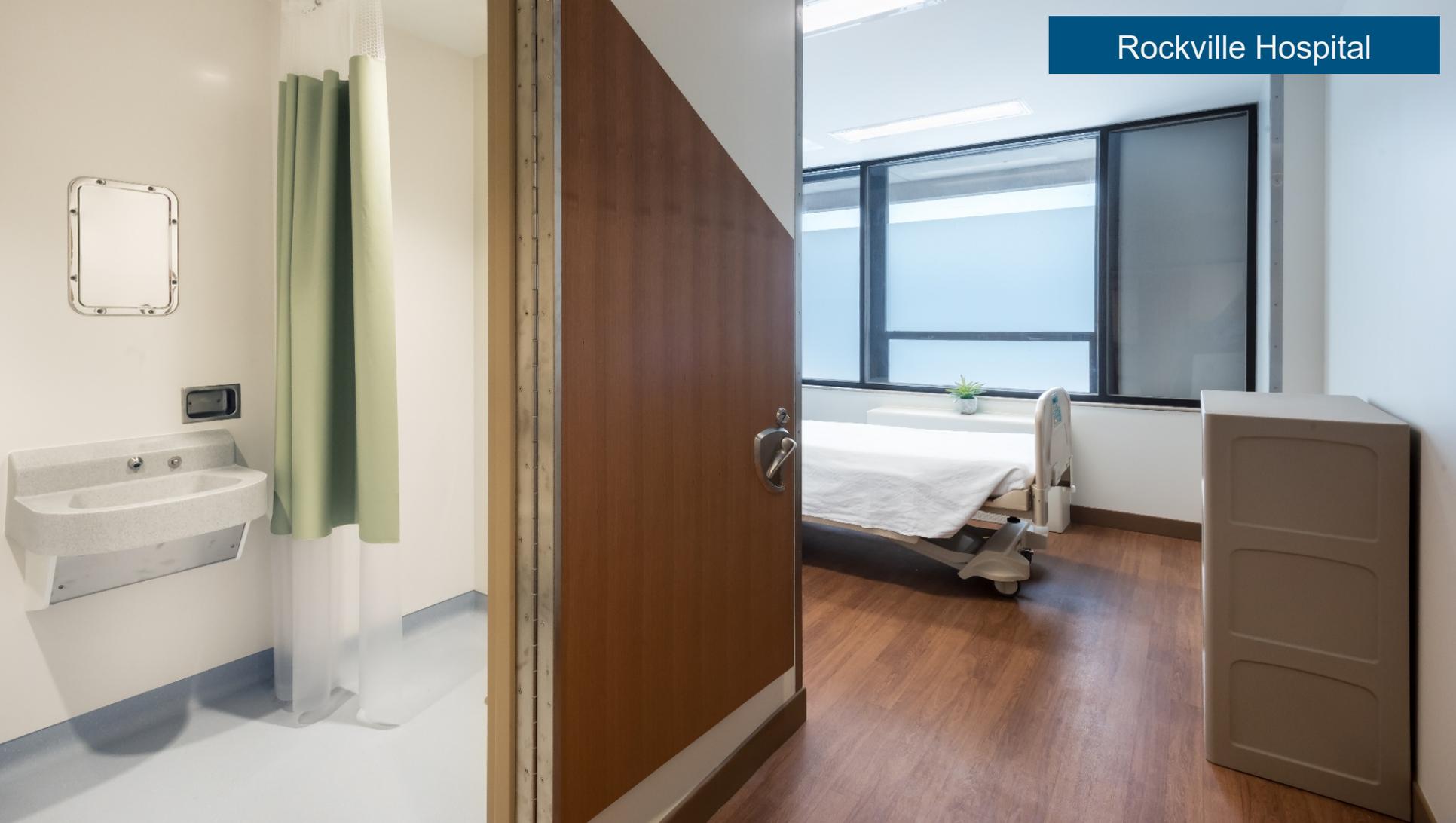
Areas of facilities with low supervision and high risk



High-risk areas include patient rooms (semiprivate or private), seclusion rooms, patient toilet rooms and showers.

Key considerations

- Continuous sheet vinyl with heat-welded seams
- Pick-proof floor to wall transitions
- Monolithic floor sloped to drains
- Soap dishes - recessed into wall to hold toiletry items and eliminate potential ligature points











Altro Aquarius

Safety flooring – homogeneous sheet

Developed for lasting performance in wet and dry environments, Altro Aquarius provides ample slip resistance in patient bathroom and shower areas. Whether barefoot or shoe-soled, patients and staff can confidently walk across its surface with their safety ensured. The heat-welded seams and polyurethane adhesive ensure a floor that is ligature free.

Thickness	2.0mm
Dimensions	6'7" x 65' 5" (2m x 20m)
Static load	1500psi
Sound insulation	5dB
Warranty	10 years

Slip-resistance

SCOF	.88 Dry / 1.03 Wet
DCOF	.65 Wet
Ramp test	R11
Pendulum test	50+



Altro Walkway 20

Slip-resistant flooring – homogeneous sheet

With a wide variety of solid, non-distracting colors available, Altro Walkway 20 is capable of seamlessly coordinating from wet rooms to general areas with our Altro Aquarius line. This 2mm safety flooring is ideal for creating slip-resistant spaces while designed to be compliant with dementia-friendly design standards.

Thickness	2.0mm
Dimensions	6'7" x 65' 5" (2m x 20m)
Static load	1000psi
Sound insulation	5dB
Warranty	10 years

Slip-resistance

SCOF	.78 Dry / .8 Wet
DCOF	.66 Wet
Ramp test	R10
Pendulum test	36+



Altro Orchestra

Smooth flooring – heterogeneous sheet

Altro Orchestra provides comfort underfoot in low-risk areas where patients and staff spend the majority of their time. Featuring an impressive variety of calming, neutral tones for your BMH design.

Thickness	2.85mm
Dimensions	6'7" x 65' 5" (2m x 20m)
Static load	1000psi
Sound insulation	15dB
Warranty	10 years

Slip-resistance

SCOF	.7 Dry / .8 Wet
DCOF	.49 Wet
Ramp test	R10
Pendulum test	n/a



Altro Serenade

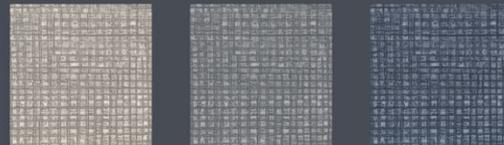
Smooth flooring – heterogeneous sheet

At 3.9mm thick with 19dB impact sound insulation and an IIC rating of 54, Altro Serenade reduces noise and provides a high level of comfort and padding underfoot. This makes it especially useful for seclusion rooms.

Thickness	3.9mm
Dimensions	6'7" x 65' 5" (2m x 20m)
Static load	500psi
Sound insulation	19dB
Warranty	10 years

Slip-resistance

SCOF	.7 Dry / .8 Wet
DCOF	.49 Wet
Ramp test	R10
Pendulum test	n/a



Altro Wood

Smooth flooring – heterogeneous sheet

Altro Wood offers an attractive and functional flooring solution for recreational areas and common rooms. Its realistic visuals create warm, calming environments that facilitate treatment with a residential feel. Available in three thicknesses (2mm, 2.85mm and 3.9mm), this product range offers varying levels of comfort and acoustics.

Thickness	2.0mm
Dimensions	6'7" x 65' 5" (2m x 20m)
Static load	2500psi
Sound insulation	4dB
Warranty	10 years

Slip-resistance

SCOF	.79 Dry / .94 Wet
DCOF	.49 Wet
Ramp test	R10
Pendulum test	36+



Altro Whiterock

Hygienic wall cladding system

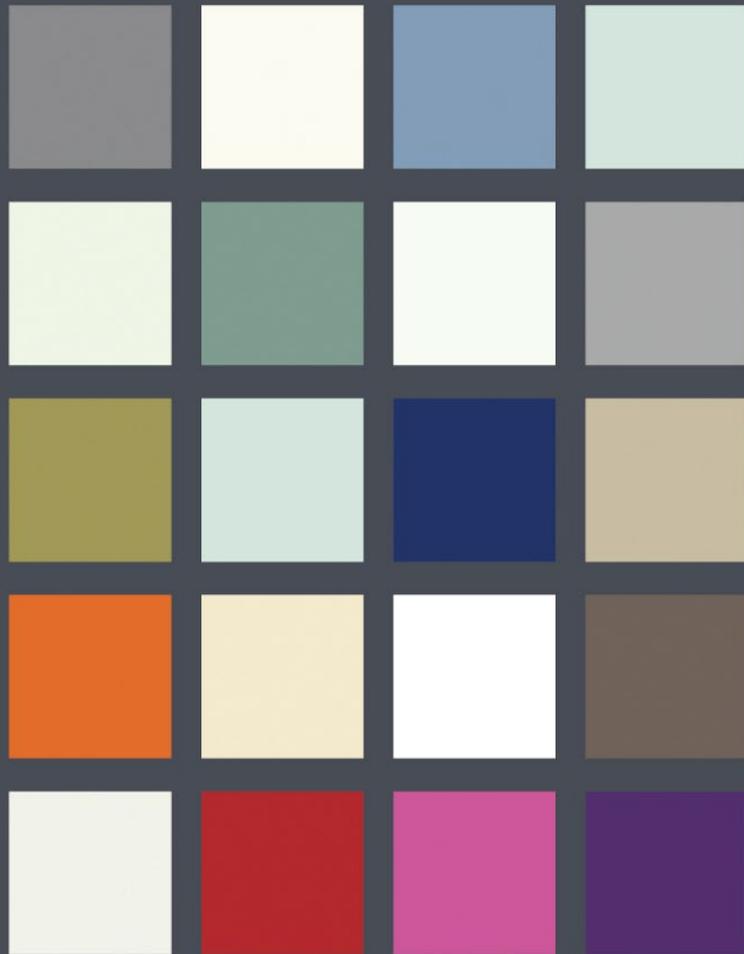
Durable, impact resistant, hygienic and easy to clean, Altro Whiterock wall panels can overlap Altro flooring to create a fully integrated and simultaneously pick-proof solution for BMH facilities. The product can be thermoformed on site and bent around corners. This eliminates the need for accessories and sharp edges that could cause harm.

Thickness 2.5mm

Dimensions 4' x 8'2" (1.22m x 2.5m) and
4' x 9'10" (1.22m x 3m)

Impact resistance Exceeds 160 inch pounds of force

Warranty 20 years



Altro Whiterock wall designs

Patterned wall cladding system

Altro Whiterock wall designs combine the durability, hygiene and resilience of Altro Whiterock wall panels with patterns that simulate elements of nature indoors. These realistic wood, linen and concrete visuals can help alleviate anxiety in patients and create a calming environment for facilitating treatment.

Thickness	2.5mm
Dimensions	4' x 8'2" (1.22m x 2.5m) and 4' x 9'10" (1.22m x 3m)
Impact resistance	Exceeds 160 inch pounds of force
Warranty	10 years



Industry leading cleanability while maintaining slip resistance with Altro EasyClean

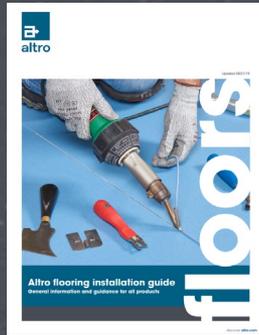
- ✓ Not a surface finish – incorporated into product while manufacturing for long-term cleanability.
- ✓ Low dirt pick-up
- ✓ Improved color retention
- ✓ Up to 60% maintenance savings over non PUR treated floors over the lifetime of the floor
- ✓ Cleaning instructions available online and in print
- ✓ 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.

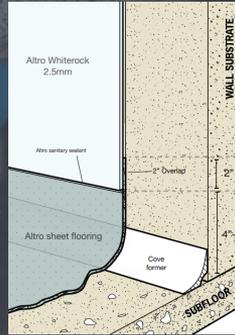
Install guides



Detailing guides



Drawings / CAD



Accessories



Technical services



installation

better together

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

Our products have been constructed to maintain their integrity, meet the strictest hygiene standards and to provide a perfect fit with no gaps or rough edges around joints and details.

Maintaining excellent hygiene becomes a whole lot easier with Altro.



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@altrofloors.com

Submit an online request!

Behavioral and mental health 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



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Be sure to explore our full digital learning library for more mini-course like this.



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