



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



## **Wet environments: floors, walls and doors guide**

Transforming spaces  
in wet environments

**altro.co.uk**

# Providing solutions for well-being

Looking after the well-being and safety of customers, staff, visitors, or patients is paramount and wet environments can present a challenge. We partner with you to create aesthetically pleasing, durable and design-led solutions in wet environments where the risk of slipping is very high.

Most buildings have wet environments that will be used by a wide variety of people: that's a lot of individuals to keep safe.

We take your safety seriously. Shampoos, bathing oils, and hair products found in wet environments all pose a risk to people walking around. Our specialist flooring keeps your risk of slipping to one in a million, even in these tough conditions, and is designed to not only give you peace of mind but to also create a lasting impression – from the way it looks to the way it works.

Our range of solutions is designed for a variety of environments including healthcare, hospitality and education; protecting staff who look after residents, guests in hotel wet rooms and students showering after sports activities.

Slips and falls aren't the only consideration in wet environments. Indoor humidity and poor cleaning can lead to a build-up of bacteria and mould, which can impact health as well as the appearance of the rooms. You can use our safety floors and hygienic wall solutions for wet environments to create easy-to-maintain and safe surroundings.

Aesthetically pleasing and with a wide range of shades, we work with you to design welcoming and attractive spaces in your most demanding environments.



Hull Women and Children's Hospital, UK

# Make the right impression

A welcoming environment is important whatever the setting. From a contemporary scheme in a hotel wet room to functional student accommodation, our wall and floor solutions provide you with safe and stylish choices helping to avoid a clinical atmosphere.

With clever use of colours and combining our floor and wall systems, you can create a spa-like oasis in residential accommodation, help to make a sports changing room a dynamic and inspiring space or design a comforting bathing experience in a care home or hospital.

# Design-led, practical and safe

Good looks also need to be practical to keep employees and visitors safe, maintain hygiene standards and reduce the risk of infection.

Altro Pisces offers 16 soft-look shades; the result is the consistent, soft appearance that you would want from domestic interiors, with the lifetime sustained slip resistance you expect from us.

Altro Whiterock is available in 43 colours, with matt and gloss surfaces for any design theme. Altro Whiterock wall designs gives the options of wood, metal, stone and linen for the wow factor.

“

“The combination of Altro Pisces flooring range with the ever popular Altro Whiterock provided an easy to clean, slip-resistant solution which looks great.”

Andy Seddon,  
Commercial Director, Lan Services Ltd, UK



## Did you know?

Slip and trip accidents cost employers over £500m per year with a cost to health services of £133 million per year.  
Source: Health and Safety Executive (HSE)



Altro Pisces™ | Lighthouse  
SB2001 | LRV 70



Altro Whiterock Satins™ | Promenade  
212 | LRV 32

# Preventing slips where it matters: our test results

At Altro we combine available industry slip resistance tests to get the most accurate proof of just how safe our flooring is.

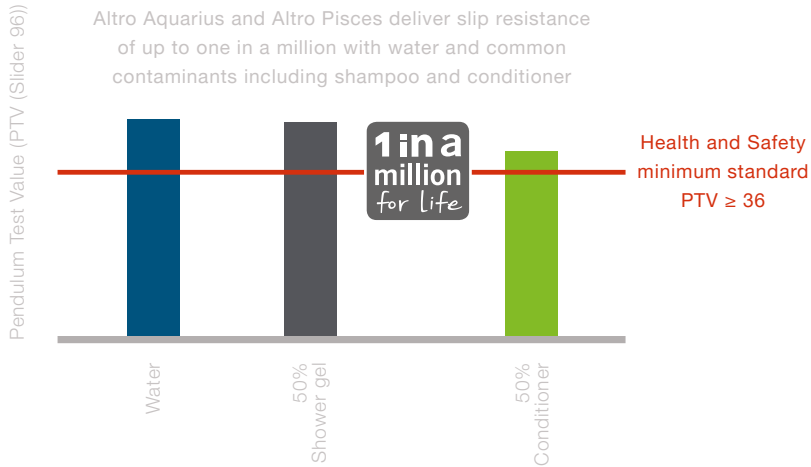
We believe standard industry test values don't always provide clarity of slip potential and categories of values are too broad, which is why we combine them.

Our safety floors for wet environments are tested with real life contaminants: shower gel, shampoo and conditioner. Altro Aquarius and Altro Pisces still have a PTV of  $\geq 36$  (slider 96) against all these contaminants and the risk of slipping is just one in a million; however, with water alone they maintain a PTV of  $\geq 50$  (slider 96).

Both floors achieve an R11 on the ramp test.



University of Bath, UK



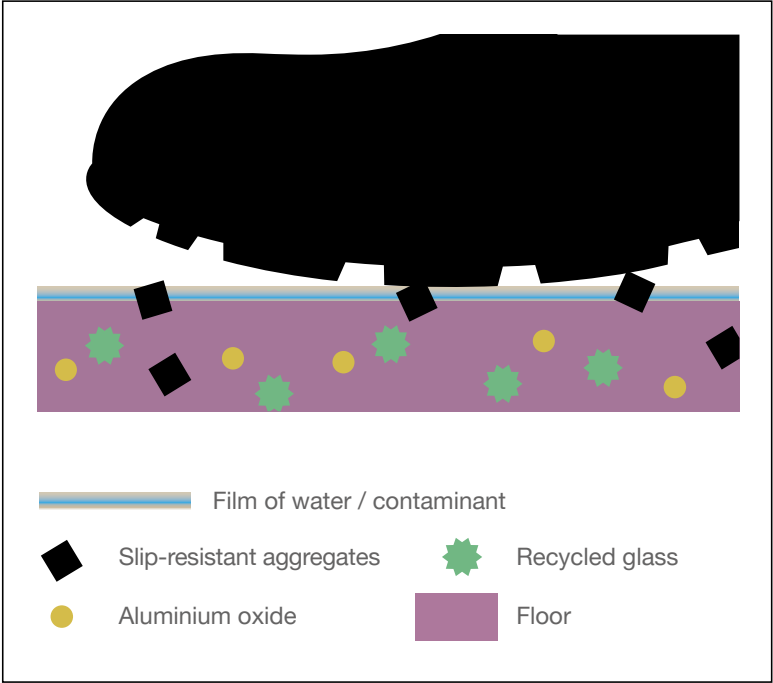
## The Pendulum Test (BS 7976)

The 'pendulum' is a swinging, dummy heel that sweeps over a set area of flooring in a controlled manner to simulate slipping on a wet floor. The slipperiness of the flooring has a direct and measurable effect on the pendulum value. Flooring that achieves a wet result of Pendulum Test Value  $\geq 36$  (slider 96) has a low slip potential.

## The Ramp Test (DIN 51130)

The Ramp Test is widely used. R9-R13 values are based on angle measurements of a motor oil-covered ramp that an operator walks on. The angle at which the operator slips forms the R value, but because the most common contaminant on floors is water, using motor oil doesn't give a true representation of what happens in real life situations. The barefoot version of the test (DIN 51097), where the ramp is covered in a soap solution as a contaminant, simulating conditions in a shower, rates flooring A, B or C. Altro Aquarius and Altro Pisces are rated class B.

Safety floor construction for optimum performance in wet environments



# Keep bugs at bay

Wet environments can hide a multitude of bacteria owing to the moist environment. The World Health Organisation (WHO) states that persistent dampness and microbial growth on interior surfaces and in building structures should be avoided or minimised as they may lead to adverse health effects.

To ensure a clean, healthy environment for all users, install floor and wall systems that are easy-to-clean. Having a system that does not give bacteria anywhere to hide is a priority; Altro Whiterock is a fully bonded wall system: with sealed edges, abutments and joining systems you can be sure bugs are kept at bay.

# Maintain clean conditions

If safety flooring isn't cleaned properly, a hazardous level of dirt and contaminant build-up can accumulate on the surface, potentially increasing the risk of a slip. Altro Aquarius and Altro Pisces have been extensively tested with a variety of shoes and contaminants to ensure top performance in high-risk environments.



## Did you know?

Altro Aquarius and Altro Pisces both contain Altro Easyclean technology, which requires a less stringent cleaning regime.



"The feedback from residents and staff has been extremely positive, most of the comments are: 'The bathroom looks really good and is much easier to clean.' We are happy that we have chosen Altro and highly recommend it!"

Elisabete Neto,  
Business Administration Manager,  
Bonney Healthcare Group



Altro Aquarius™ | Treefrog  
AQI2003 | LRV 33



Altro Whiterock Satins™ | Seafoam  
43 | LRV 81

# Working in harmony

Finding the perfect partnership between wall and floor coverings can be difficult, with the risk that the selected products may fail. With one of our complete floor and wall systems you can rest assured every element is designed to fit and work together perfectly.

Our systems not only fit together well, but our extensive testing has proved they are the perfect partnership. Altro Whiterock has been designed to fit together perfectly with Altro Aquarius or Altro Pisces forming a sealed, watertight system for enhanced safety and hygiene. This integrated system includes welded jointing, coveability and compatibility with drainage.

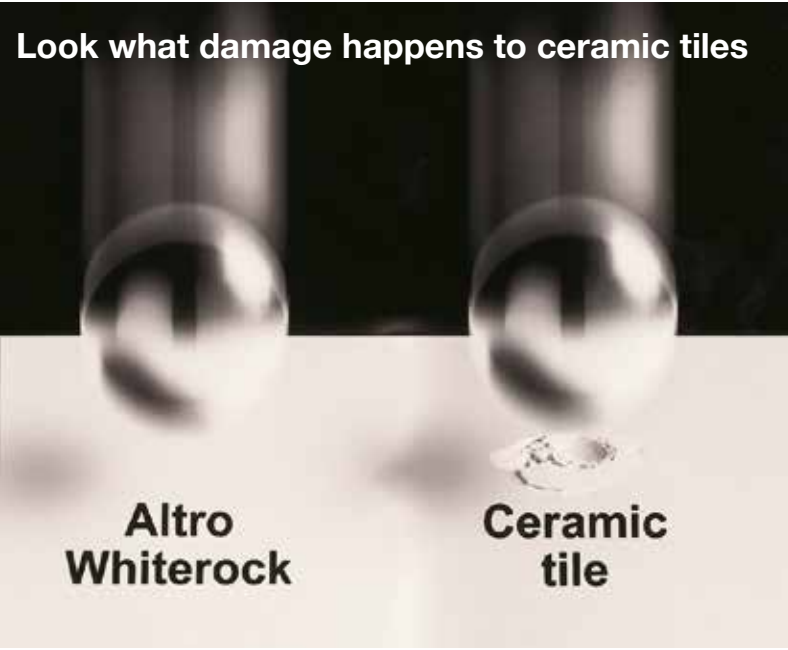
**Our integrated system is:**

- sealed and hygienic
- impervious, non-absorbent, washable
- able to withstand extremes in temperature
- a sound investment – designed to maintain performance and retain appearance

Offering a wide range of colours and finishes from clean white through to our decorative Altro Whiterock Satins and vibrant Altro Whiterock Chameleon ranges which also offer complementing doorsets. Altro Whiterock wall designs provide a range of high-design finishes giving elegance and durability.



Compared with standard grouting Altro Whiterock doesn't absorb a drop of water or compromise hygiene



BS EN438-2-1991 Drop Ball Test

Wetroom test ETAG 022 Part 3 Annex A & F carried out by SP Technical Research Institute of Sweden shows Altro Whiterock is impervious to water ingress.

Ceramic tiles can give you maintenance problems that Altro Whiterock doesn't. Staining, grout cracking and individual tile failure are common issues but with our walls system there is less need to spend time and money inspecting and repairing surfaces.



### Did you know?

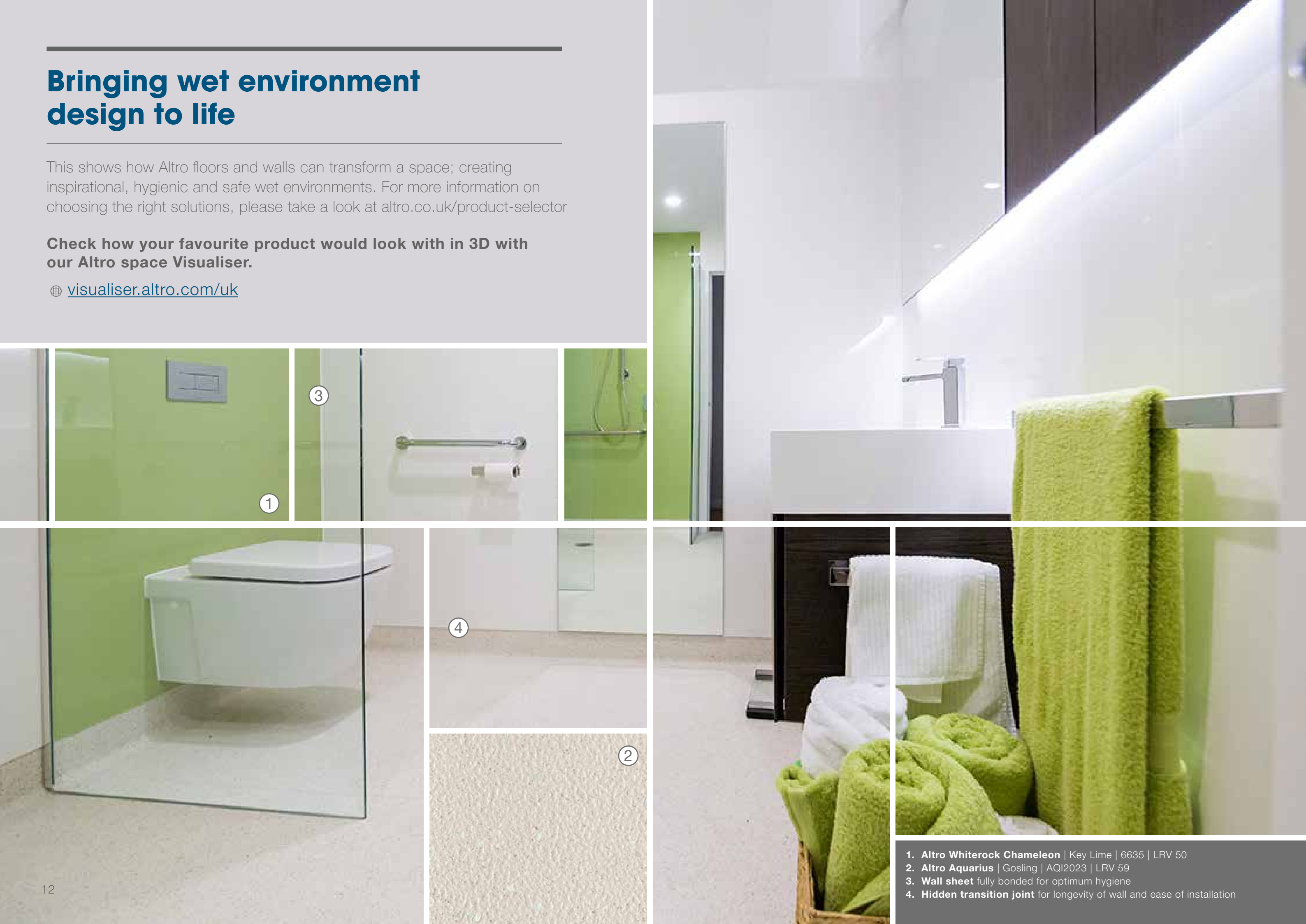
The lifetime cost (over 25 years) of Altro Whiterock is 20% lower than ceramic tiles.

# Bringing wet environment design to life

This shows how Altro floors and walls can transform a space; creating inspirational, hygienic and safe wet environments. For more information on choosing the right solutions, please take a look at [altro.co.uk/product-selector](http://altro.co.uk/product-selector)

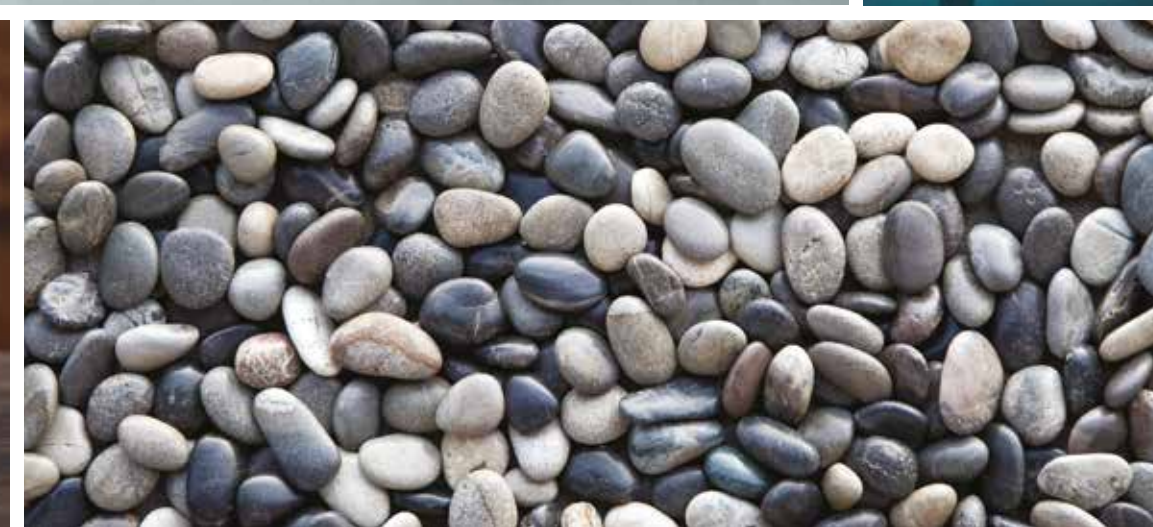
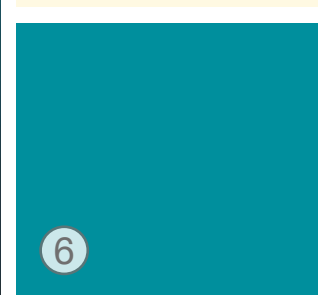
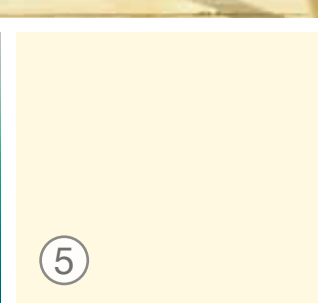
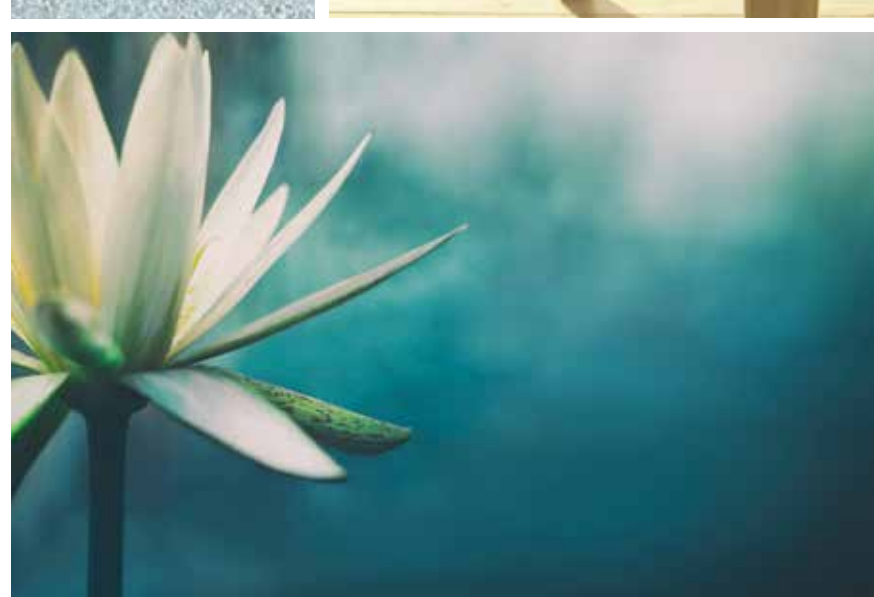
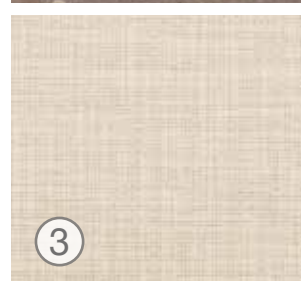
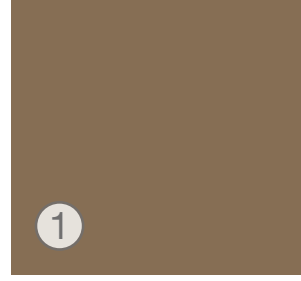
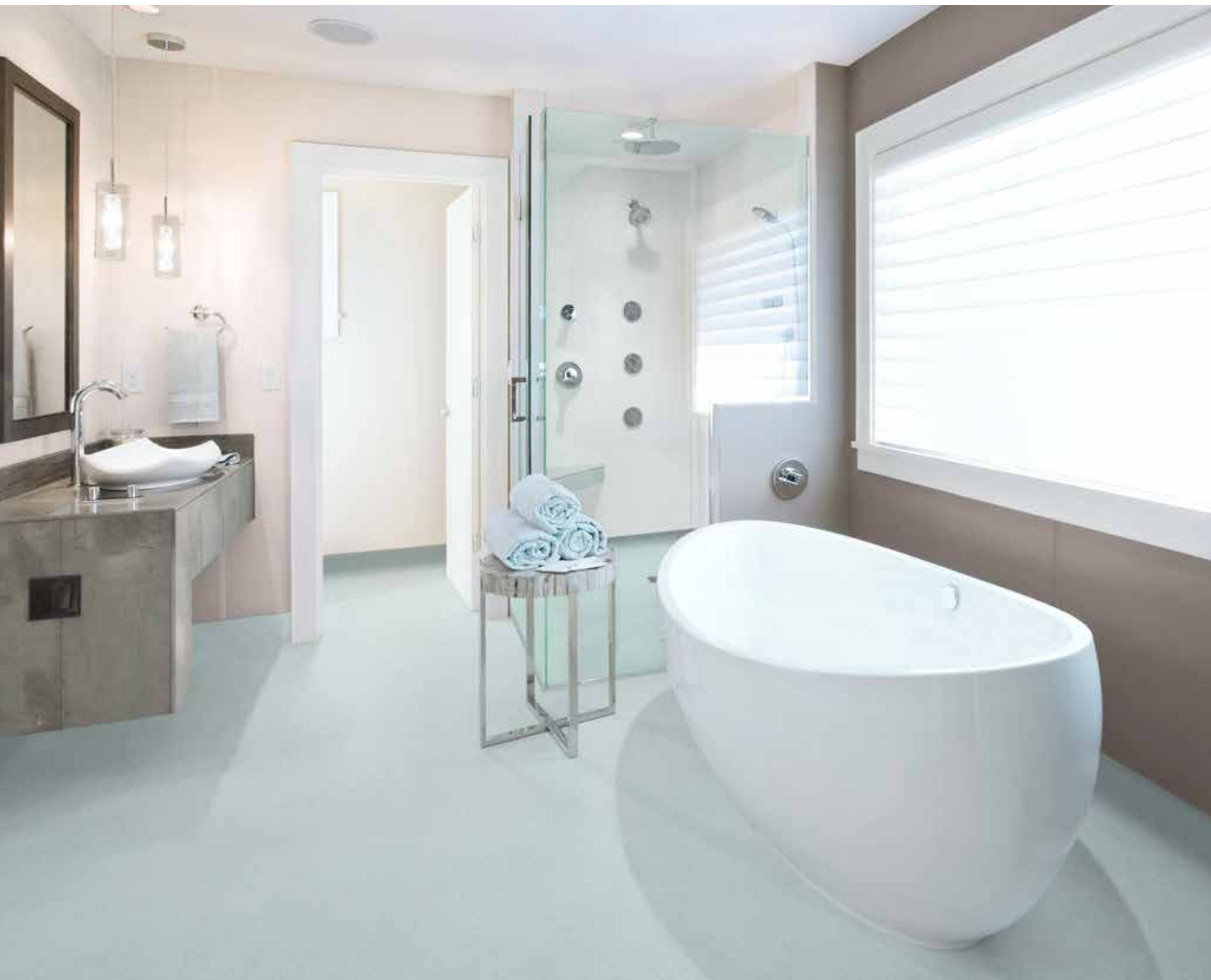
Check how your favourite product would look with in 3D with our Altro space Visualiser.

[visualiser.altro.com/uk](http://visualiser.altro.com/uk)



- 1. Altro Whiterock Chameleon | Key Lime | 6635 | LRV 50
- 2. Altro Aquarius | Gosling | AQI2023 | LRV 59
- 3. Wall sheet fully bonded for optimum hygiene
- 4. Hidden transition joint for longevity of wall and ease of installation

# Tranquility



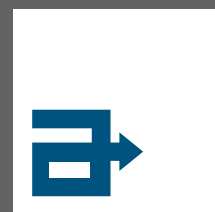
1. Altro Whiterock Satins | Fenland | 219 | LRV 13
2. Altro Aquarius | Otter | AQI2006 | LRV 26
3. Altro Whiterock wall designs | Winter Weave | 9909 | LRV 58
4. Altro Pisces | Deckchair | SB2013 | LRV 50
5. Altro Whiterock Satins | Citron | 56 | LRV 80
6. Altro Whiterock Satins | Vibrance | 213 | LRV 22

## Samples

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

☎ 01462 707600

✉ [samples@altro.co.uk](mailto:samples@altro.co.uk)



# altro

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altro .  , Altro, Designed for possibilities. Made for people. Altro Whiterock, Altro Whiterock Satins, Altro Whiterock White, Altro Whiterock Chameleon, Altro Whiterock wall designs, Altro Pisces and Altro Aquarius are trademarks of Altro Limited.

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WET ENVIRO UK 02/19