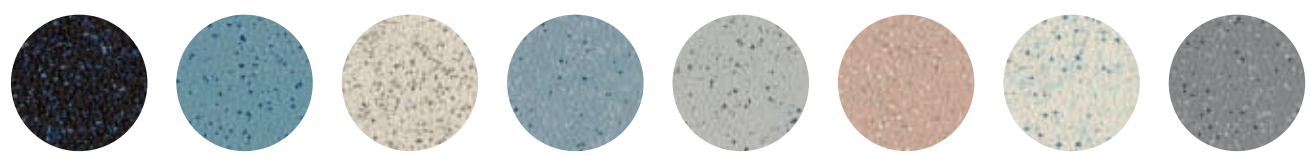
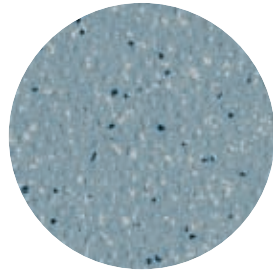
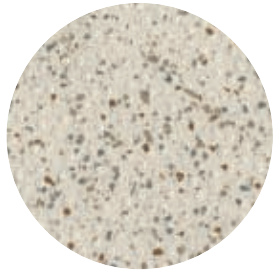
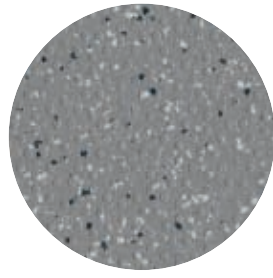
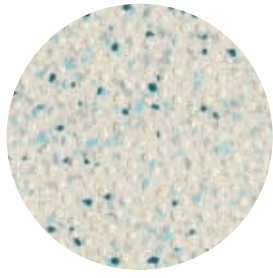


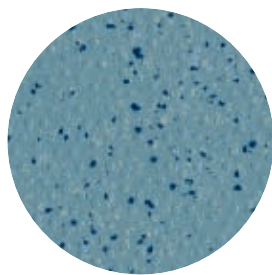
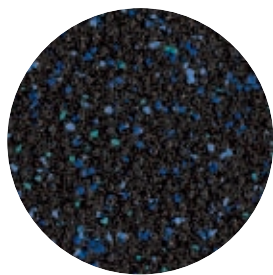
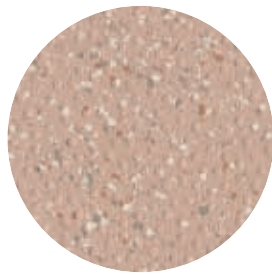
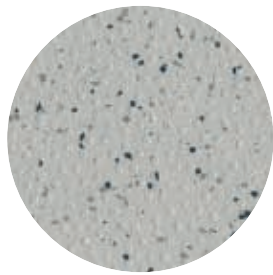
The clearest choice  
for barefoot areas!



Polysafe<sup>™</sup>  
**hydro|evolve**  
a clear step forward



**e·volve**/i välv/Verb  
natural progression



Polysafe™  
**hydro** | evolve  
a clear step forward

Welcome to a new breed of vinyl safety flooring that offers the clearest choice yet in barefoot and continually wet areas. Polysafe Hydro Evolve mixes a fresh palette of subtle, light hues with a nuance in tone that adds sophistication to many commercial and residential interiors. A combination of imperceptible, colour complementary aggregates within the vinyl and a customised pimple emboss for increased safety underfoot gives clear reassurance in specification. For a safe walking surface in areas where continual water is prevalent, **step forward with Hydro Evolve.**

a clear  
step forward



# Safety guaranteed

Sustainable slip resistance forms the cornerstone of every Polysafe product. Polysafe Hydro Evolve offers all the usual safety credentials but with an added dimension. The use of colour co-ordinated aluminium oxide, coloured quartz and natural recycled aggregates means a carborundum-free appearance that gives a much cleaner, harmonious look. Evolve's use of balanced, aqueous colours allows design schemes and zonal areas to be created that strengthen and aid positive user perceptions of healing, relaxation and comfort whilst offering the all important requisite of continual safety performance in water wet areas.



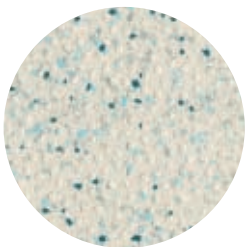
# Passing with flying colours



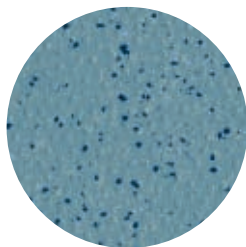
To aid specification and control colour for design projects, Polysafe Hydro Evolve colours are distinctly measured and referenced with the nearest overall perceived NCS value. The Natural Colour System is an international colour measurement system based around the common language of six elementary colours that are calibrated to enable specifiers to convey colours and select the right colour combinations for a project.

This is complemented by all Hydro Evolve colours being referenced with appropriate Light Reflectance Values (LRVs) using the test standard BS8300:2009. In order to adhere to the Building Regulations Part M and to assist disabled and visually impaired users navigate around a building, designers are required to choose surfaces that contrast visually with their surroundings, with a LRV differential of at least 30 points between wall to floor junctions or exposed edges of sloping floors.

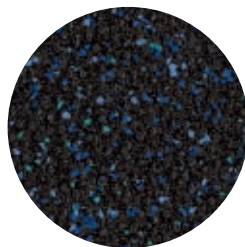
The chosen colour palette in Polysafe Hydro Evolve has also been developed carefully and influenced by colour psychology research.



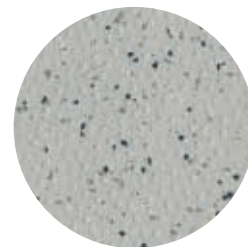
**WHITE:** represents the healing and cleansing aspect, offering protection, peace and comfort. Offers purity and softness



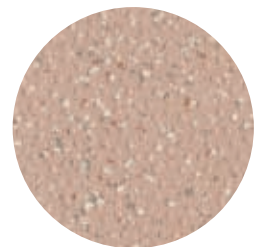
**BLUE:** cool and calming colour, to relax and sooth, providing control and clarity, as well as to promote quietness and protection



**BLACK:** comforting and protective colour providing sophistication and safety



**GREY:** promotes a sense of order and peace with sophistication



**BEIGE:** earthy, subtle richness, creating relaxation, calmness, harmony and tranquility



4256 Blue Nile

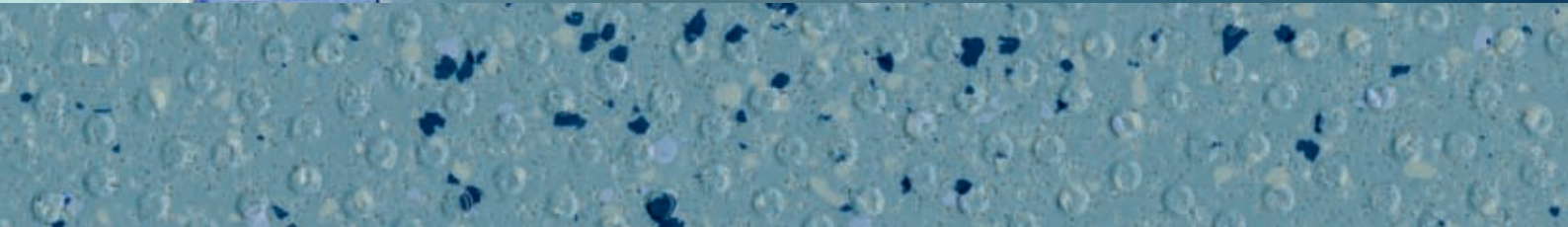
4258 Adriatic





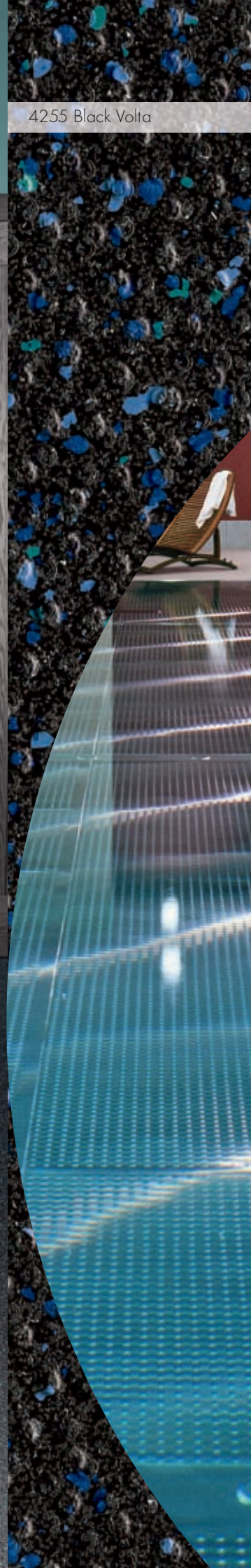


Polysafe™  
**hydro** | evolve  
a clear step forward





4255 Black Volta



4257 Tigris

**POLYFLOR™**  
COVERING THE WORLD

RRL Pendulum Test  
**36+**  
(wet test) Slip Resistance

Polysafe™  
**hydro|evolve**  
a clear step forward



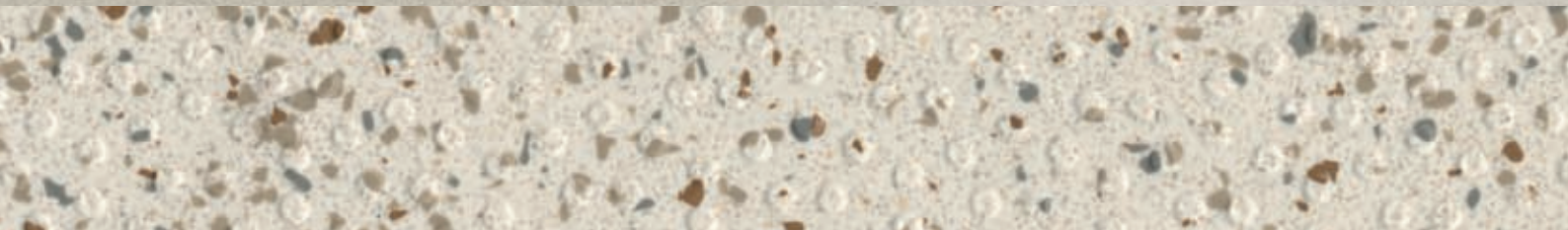
4251 Indus

4252 Amazon





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4254 Danube

4253 Colorado



# Under the microscope - standing the toughest of tests

Polysafe Hydro Evolve has been rigorously tested to ensure its status as a top performer in many heavy commercial or residential areas.



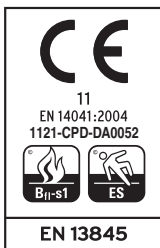
## Slip Resistance - Pendulum Wet Test

The Pendulum test undertaken in wet conditions is the main indicator of in-situ slip resistant performance on safety flooring and is recommended as the main slip test method by the Health & Safety Executive (HSE).

Polysafe Hydro Evolve achieves a wet Pendulum result of 36 and above, meaning full conformance with HSE and UK Slip Group Guidelines and a classification of low slip potential in continually wet pedestrian areas.

Hydro Evolve also meets the in-situ surface roughness result of 20 microns and above meaning that the friction provided by the floor is sufficient to provide a safe surface when the floor is contaminated with water. The surface roughness meter is a complementary test method advocated by the HSE to be used in conjunction with the Pendulum Test.

When tested to the ex-factory barefoot Ramp Test DIN 51097, Polysafe Hydro Evolve achieves a Class B, meaning suitability in shower rooms, pool surrounds, wet changing areas and disinfectant spray areas. Hydro Evolve is also appropriate for areas categorised as Class A to DIN 51097 such as barefoot aisles and walkways.



## European Safety Flooring Standard

Hydro Evolve fully adheres to EN13845, the European Norm for safety flooring, being classified as an ESb product. This means the product provides enhanced slip properties in barefoot areas. Hydro Evolve is individually certified and fully CE Marked, showing mandatory conformance to slip resistance and fire performance.

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## Environmental Credentials

Polysafe Hydro Evolve is 100% recyclable, contains recycled material and can be recycled as part of the Recofloor Vinyl Take-Back Scheme. Polyflor is a founding and funding member of this unique industry wide initiative which allows post-consumer offcuts and roll-ends to be put back into new flooring or recycled to form new useful items such as bases for traffic calming products.

Hydro Evolve helps specifiers achieve a positive BREEAM score through the achievement of an A+ BRE Global Generic Environmental Rating when used in major use areas such as healthcare and education.



## Low VOCs

Polysafe Hydro Evolve provides no negative impact to indoor air quality, does not have a strong odour and the VOC emissions are below the very strictly set acceptable levels of the AgBB Emission Chamber Test method. Hydro Evolve's stringent compliance means the product meets a key environmental consideration and aids its selection as a floor finish.



## Water Tightness

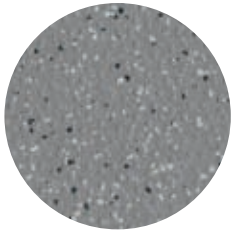
Polysafe Hydro Evolve is a product fully suited to special wet areas and adheres to the water tightness standard EN13553 where a strong weld is required to seal the floor and make it impervious to the regular occurrence of water. With a product flexibility second to none, easy installation around drains and other fixtures is ensured alongside trouble-free site formed coving.



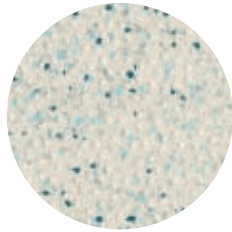
## Hygiene

Polysafe Hydro Evolve has been independently tested and shown to inhibit the growth of MRSA on the flooring, the major hospital acquired infection. In order to prevent infection, an effective maintenance regime is recommended. Floorcare details are available at [www.polyflor.com](http://www.polyflor.com)

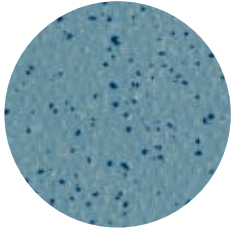




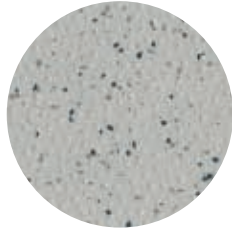
**4257 Tigris**  
NCS S 4500-N  
LRV 27.7  
W/R 4257



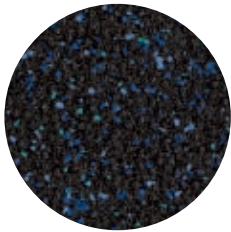
**4251 Indus**  
NCS S 1502-Y  
LRV 58.3  
W/R 4251



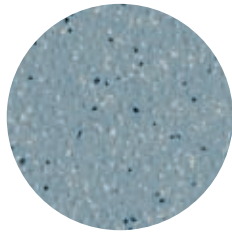
**4258 Adriatic**  
NCS S 3030-B  
LRV 27.2  
W/R 4258



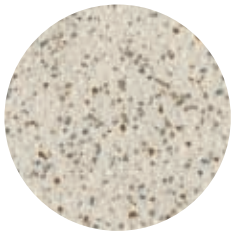
**4253 Colorado**  
NCS S 3000-N  
LRV 44.2  
W/R 4253



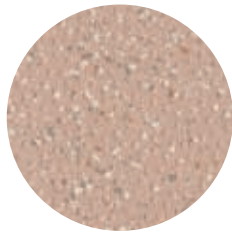
**4255 Black Volta**  
NCS S 8000-N  
LRV 6.4  
W/R 4255



**4256 Blue Nile**  
NCS S 3010-R90B  
LRV 33.7  
W/R 4256



**4252 Amazon**  
NCS S 1502-Y50R  
LRV 59.3  
W/R 4252



**4254 Danube**  
NCS S 2010-Y60R  
LRV 42.2  
W/R 4254

W/R = weld rod

### Routine maintenance

Regular spot scrubbing with a deck scrubber is recommended with this product along with machine scrubbing. After neutral or alkaline cleanser has been diluted with water and applied to the floor to react with the soiling, a 165rpm rotary scrubbing machine fitted with a bristle brush, cylindrical machine or deck scrubber is recommended to clean Polysafe Hydro Evolve. The floor slurry should then be picked up by a wet vacuum and then should be rinsed with clean, warm water. The water should then be picked up with a wet vacuum and left to dry thoroughly. In heavily soiled areas, cleanser dilution rates above the manufacturer's recommendation may be required.

Full maintenance information is provided on [www.polyflor.com](http://www.polyflor.com)



2.0mm



2m x 20m = 40m<sup>2</sup>



2650g/m<sup>2</sup>



**GENERAL PERFORMANCE**  
EN 13845  
ASTM F1303  
Agrément - under application



**REACTION TO FIRE**  
EN 13501-1 Class Bfl-S1 { EN ISO 9239-1 ≥8kw/m<sup>2</sup>  
EN ISO 11925-2 Pass  
ASTM E648 Class 1



**ENHANCED SLIP**  
Sustainable wet slip resistance\*  
EN 13845 ESb AS/NZS 4586 Part C Class B  
RRL Pendulum Test ≥36 (wet test)  
Surface roughness Rz ≥ 20µm  
The slip resistance across all Polysafe products is assured throughout the guaranteed life of the product, with strict adherence to HSE Guidelines.



**ABRASION RESISTANCE**  
EN 649 Group P



**WATER TIGHTNESS**  
EN 13553 Annex A



**VOC EMISSIONS**  
AgBB VOC test : Pass



**HYGIENE**  
Contains antimicrobial agents. Independently tested - inhibits growth of MRSA on flooring. Effective maintenance is most important defence against infection.



**ENVIRONMENTALLY PREFERABLE FLOORING**  
Polysafe Hydro Evolve achieves a BRE Global Environmental Generic A+ Rating in major use areas such as education and healthcare. Polysafe Hydro Evolve is 100% recyclable and contains recycled material. A full Environmental Report detailing Polyflor's achievements in areas such as recycling, energy reduction and waste avoidance can be found at [www.polyflor.com/environment](http://www.polyflor.com/environment)



**ELECTRICAL BEHAVIOUR (body voltage)**  
EN 1815 ≤2kV  
Classified as 'antistatic'



**RESISTANCE TO CHEMICALS**  
Good resistance to dilute acids and alkalis. Chemical resistance charts available on request.



**APPLICATIONS**  
Polysafe Hydro Evolve is specially designed with a raised profile emboss, giving greater confidence in specifying for areas that are subjected to constant running water and where enhanced slip resistance is a prime consideration. Suitable for areas where barefoot or soft soled footwear is worn - examples include walk-in showers, hydrotherapy areas and barefoot recreational areas such as changing room facilities and indoor swimming pool surrounds. As with all Polysafe products, Polysafe Hydro Evolve should not have a polish applied.



Polysafe safety flooring ranges are compatible for use with the most commonly used alco-based hand gels and are suitable for steam cleaning on a periodic basis. For clarification and for information regarding handling and installation, adhesives, maintenance, applications and chemical resistance, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email [tech@polyflor.com](mailto:tech@polyflor.com). At the date of issue the data presented is correct. However, Polyflor Ltd. reserves the right to make changes which do not adversely affect performance or quality.

\* For clarification regarding slip resistance, consult Polyflor.

Find Out More... For further information on taking a step forward with Polysafe Hydro



[www.polyflor.com](http://www.polyflor.com)

The Polyflor website is the main resource hub for Polysafe Hydro Evolve product information. View technical information, product imagery or order free samples and literature online directly at:

[www.polyflor.com/safety](http://www.polyflor.com/safety)

Visit the website and sign up for free e-mail updates or subscribe to latest news RSS feeds



Evolve, you can contact Polyflor in a number of ways:



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**samples >>>direct >>>>0161 767 2551**

To obtain free Hydro Evolve product samples, shadecards and product literature contact the Polyflor Samples Direct Hotline on **+44(0)161 767 2551** for door to door delivery

 **Direct E-mail**

Contact **evolve@polyflor.com** with any Hydro Evolve related questions


#### **Polyflor Customer Technical Services Division**

For advice on all technical product details on Hydro Evolve, including handling and installation, suitable adhesives, maintenance, applications and chemical resistance, consult the Polyflor Customer Technical Services Department on **+44(0)161 767 1912** or e-mail: **tech@polyflor.com**

Follow Polyflor and the latest news on Polysafe Hydro Evolve on social networking applications:

 [www.twitter.com/polyflorltd](http://www.twitter.com/polyflorltd)

 [www.facebook.com/polyflorltd](http://www.facebook.com/polyflorltd)

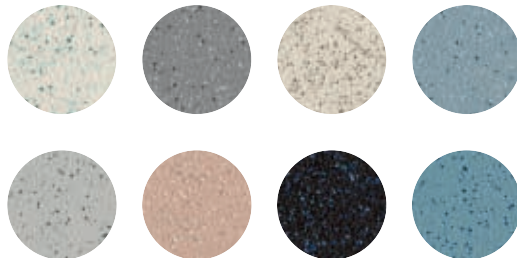
 [www.flickr.com](http://www.flickr.com) - subscribe to Polyflor's photostream feed to see new Hydro Evolve imagery

 **Polyflor SMS Alerts** - sign up to free updates, email: **news@polyflor.com**

 [www.youtube.com/polyfloruk](http://www.youtube.com/polyfloruk) - subscribe to Polyflor's channel

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