

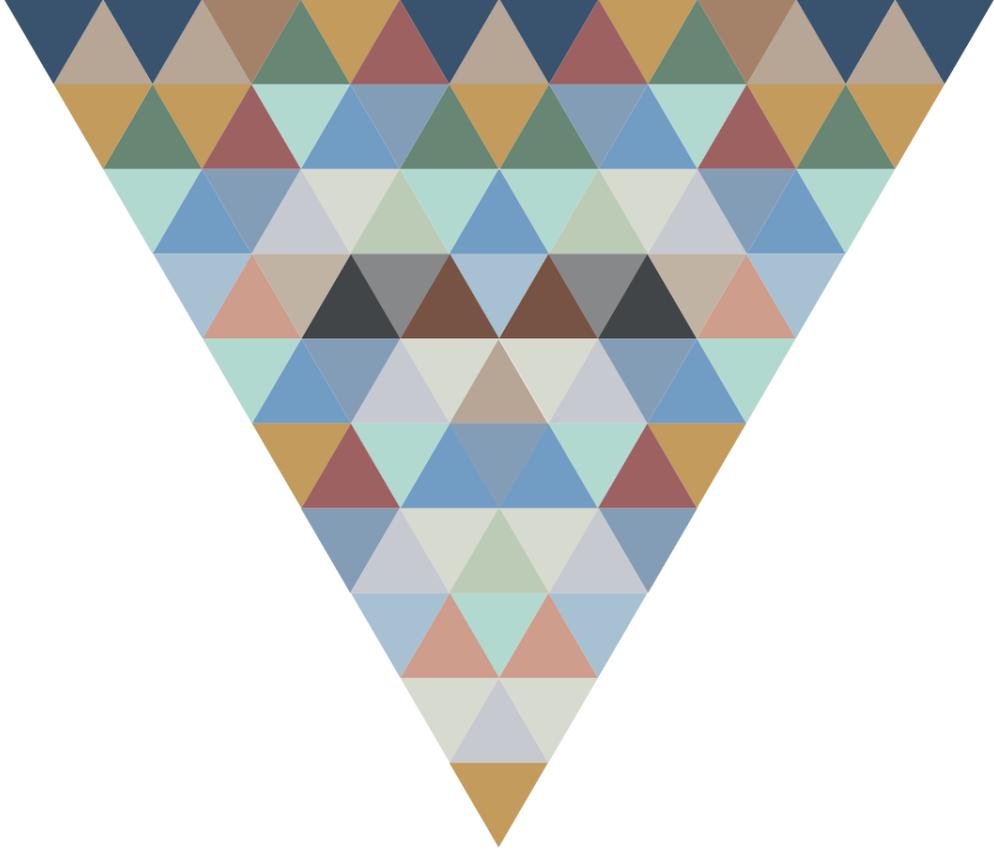
NEW



# Polysafe<sup>TM</sup> Verona

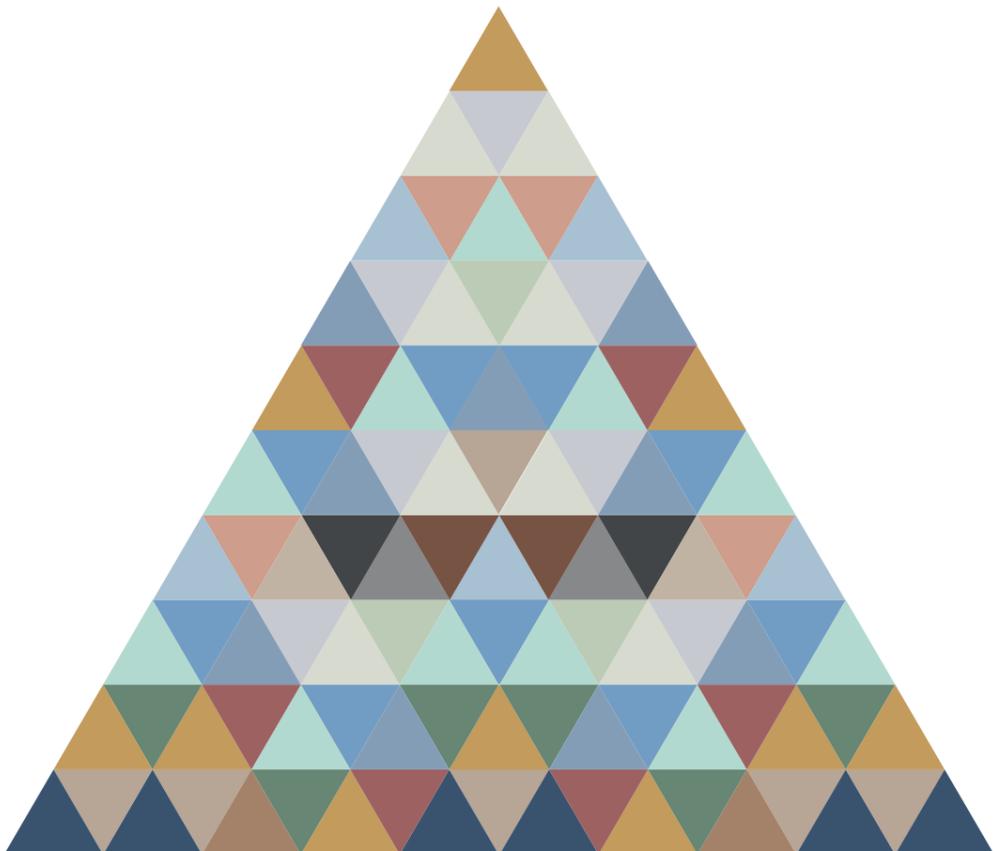
Advanced design with safety assured





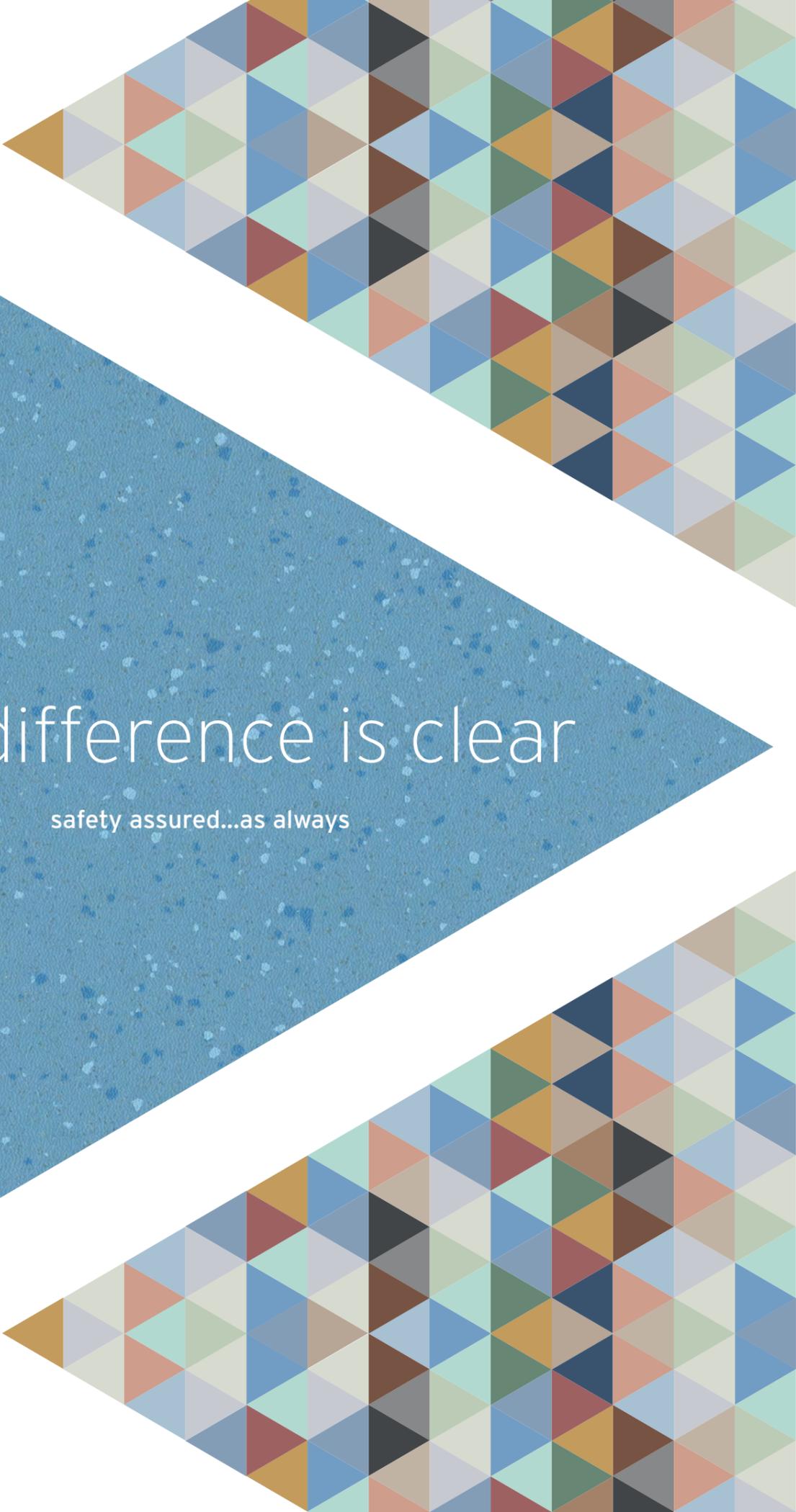
# The difference is clear

Advanced design with safety assured



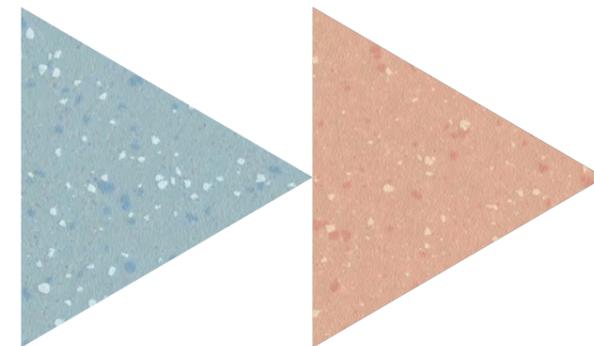
Dark aggregate  
(Traditional safety flooring)

Coloured quartz  
(Carborundum-free  
particles used in Verona)



The difference is clear

safety assured...as always



## Forward Thinking Design....

Welcome to Polysafe Verona PUR, the latest carborundum-free safety flooring pushing the boundaries of design and style, with the usual Polysafe reassurances of sustainable wet slip resistance. Testament to the evolving nature of decorative safety flooring, the Verona collection has been built around a fresh, inspiring colour palette, mixing subtle pastel shades with bolder statement colours to help achieve a distinctive design concept at front or back of house. With wide appeal across many sectors, Verona's play on colour allows shades to be used interdependently to create uplifting zonal areas that enhance any commercial or residential environment.

Born from the Natural Colour System's hierarchy of scientifically generated colours, Verona features unique base shades that combine with tonal and complementary secondary chips to fit comfortably into many modern interior design schemes where aesthetics and function go hand in hand.

## Safety...as standard

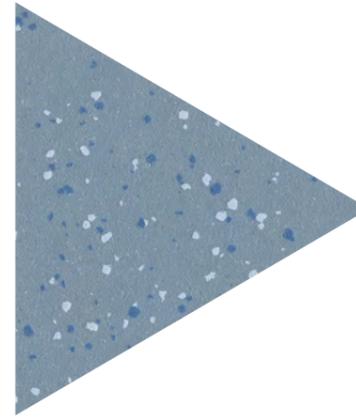
Integrating the look of a smooth vinyl with the performance of a safety floor, Verona carries the Polysafe seal of approval, offering underfoot safety in areas where wet spillages or trafficked moisture are found. Featuring non-intrusive coloured quartz particles in the vinyl to generate the required friction to achieve foot to floor contact, Verona carries the usual hallmarks of sustainable slip resistance, achieving 36+ on the Pendulum Wet Test and meeting the EN 13845 50,000 cycles abrasion test.

This reassurance of safety unites with the need to meet design-led requirements, whether in showcase areas or in traditional safety floor locations. Ease of cleaning is vital and Verona's impressive look is maintained thanks to inclusion of the exclusive Polysafe PUR reinforcement, a specially cross-linked and UV cured maintenance enhancement incorporated to the product to deliver the ultimate in appearance retention.





5202 Rainstorm and 5208 Horizon Blue

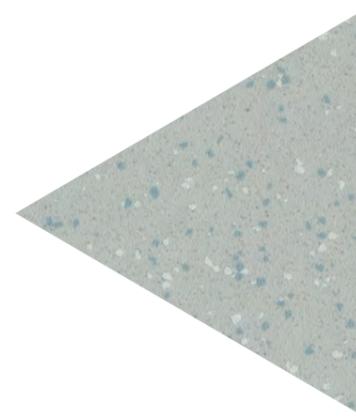


5208 Horizon Blue

# Health and Specialist Care

## Play with colour... encourage wellbeing

The modern care facility demands flooring that not only protects patients, staff and visitors but contributes to a positive environment and encourages wellbeing. Verona's harmonious collection of specially arranged colours allows design to meet function, lifting mood and creating a calming and soothing interior. Suited to locations subjected to wetness such as circulation areas, corridors, wards and treatment rooms, Verona's mix of strong and light hues can be mixed and matched in tonal combinations, using accent colours to create borders or demarcation between rooms to aid the visually impaired. Fitting simply into colour coded design schemes, Verona shades can be worked together to create a stylish environment that supports navigation and wayfinding.





5210 Oregano



Hot or cold welding is recommended with this design

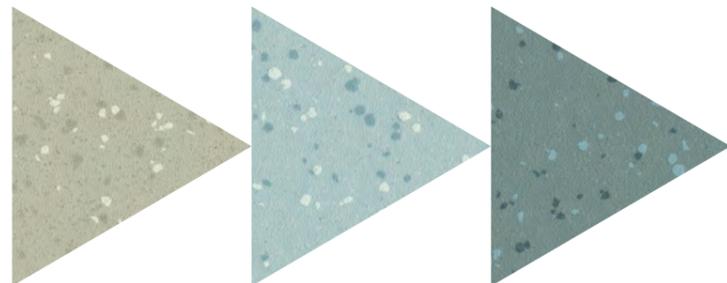
5209 Freshmint and 5211 Seagrass

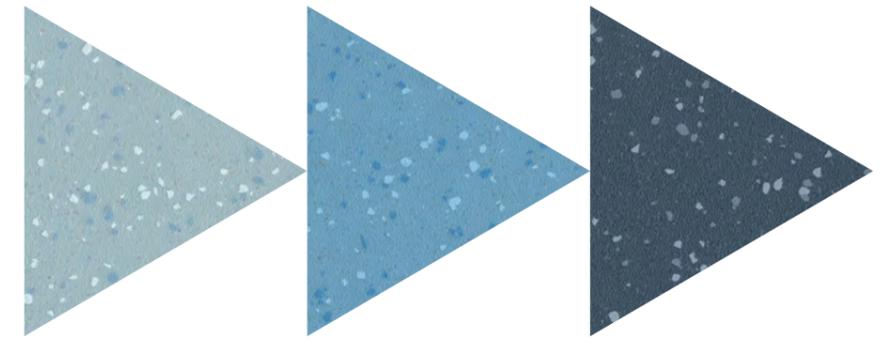
# Education

**Play with colour...  
encourage learning**

Forming an essential part of the education environment, Polysafe Verona PUR brings a fresh new impetus to the learning arena, with colours carefully designed to present a calm and focused space. Featuring a choice of cool or warmer tones, Verona's mix of light and stronger colours can be used intuitively across a facility to stimulate learning, productivity and motivation in classrooms or to encourage relaxation in breakout and atrium areas. With the added benefit of built-in safety for increased underfoot protection, Verona is also suited to traditional safety flooring locations such as bathrooms, toilets and circulation areas.

To accentuate the flooring design further, Verona's colour spectrum lends itself to the creation of inlaid logos, motifs or other special floor patterns to help develop an encouraging atmosphere. Produced through computerised, precision water jet cutting techniques, Polyflor's in-house Design Service can provide suitable advice and guidance.

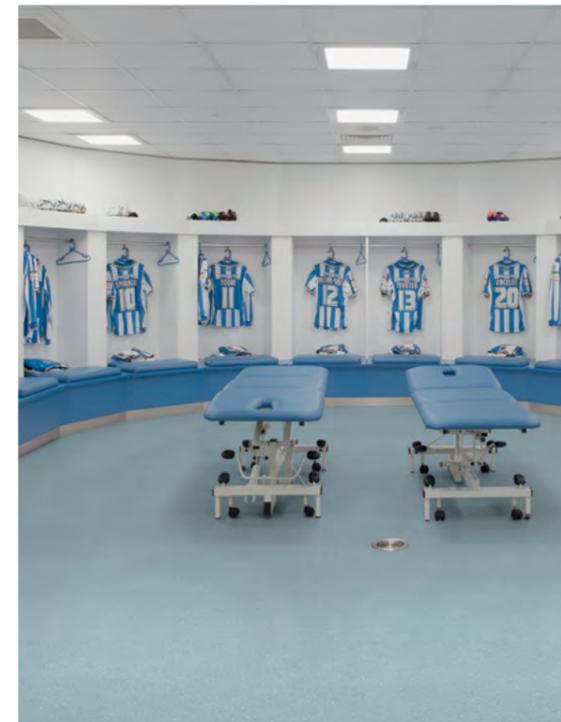




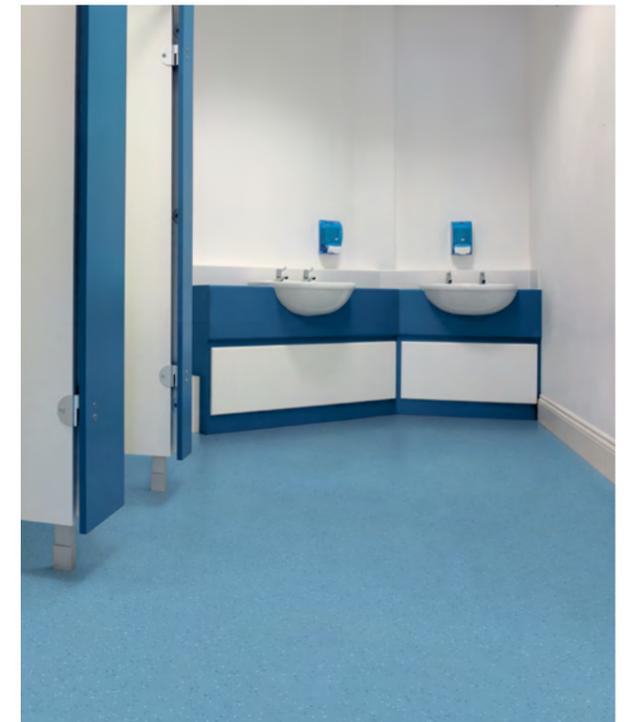
# Leisure

## Play with colour...encourage recreation

Safety flooring specified for leisure environments has a duty to perform, particularly in high traffic areas such as changing rooms and circulation spaces, where risk of flooring contamination means visitors need continual underfoot protection. Marrying these demands of sustainable slip resistance with an embodiment in style, Verona contributes positively to the visual appeal of the interior, achieving the best in both worlds of design and function. A true synthesis of colour, Verona fits effortlessly into themed interior concepts, allowing the creation of individual spaces that can promote feelings of motivation, energy or relaxation to building visitors.



5205 Skyline



5206 Blue Lagoon



5212 Biscotti



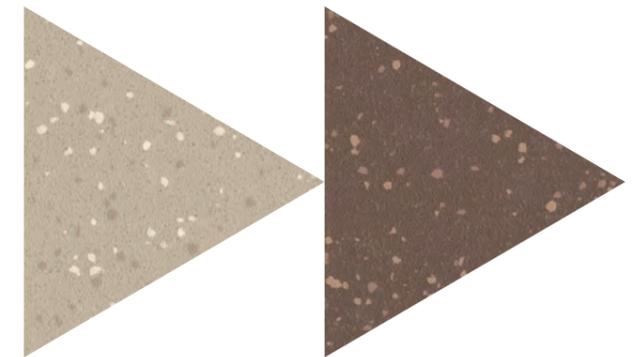
5212 Biscotti and 5215 Chocolate Chip

# Commercial and Residential

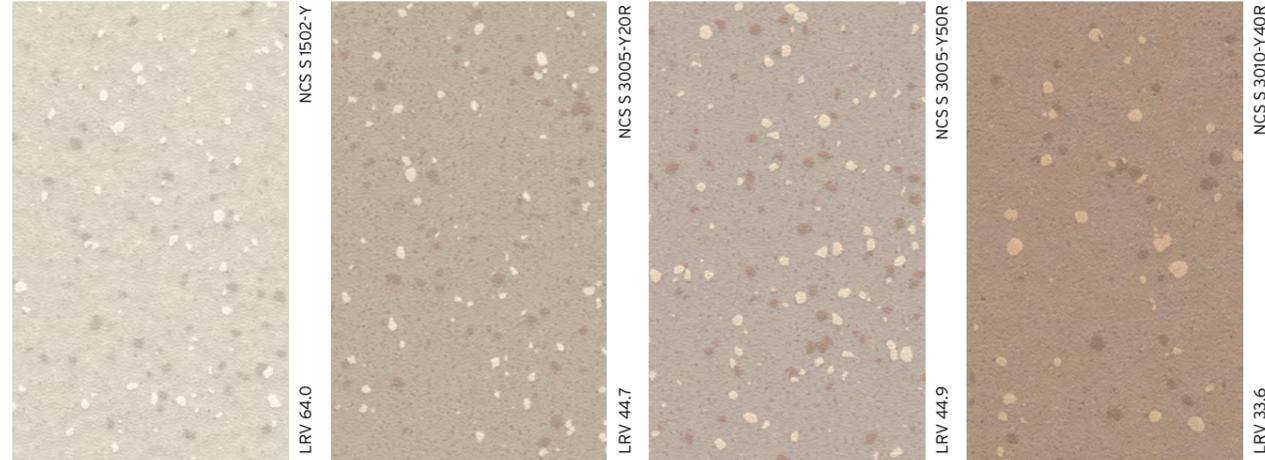
**Play with colour...  
encourage comfort**

Designed for areas with potential slip risks within the commercial office sector such as dining, breakout areas or serveries, Verona's clean subtlety in tone balanced against deeper accent colours allows these areas to break away from their institutional look of the past. Broadening the scope of an interior design scheme throughout a building, Verona's clean look helps re-create a workplace environment that is not only home from home but promotes a harmonious, tranquil and productive working atmosphere.

With built-in safety guaranteed, this means Verona gives added reassurance in areas that need to look good yet where slip resistance is paramount. Benefitting from the exclusive PUR reinforcement that restores appearance levels after cleaning, Verona is perfectly tuned to help create airy, welcoming spaces that demand attention. Working equally as well in residential settings, within large scale social housing frameworks, Verona colours can help generate a fresh, homely and safe feel that tenants feel comfortable with, in areas such as kitchens, bathrooms and stairwells.



# The collection

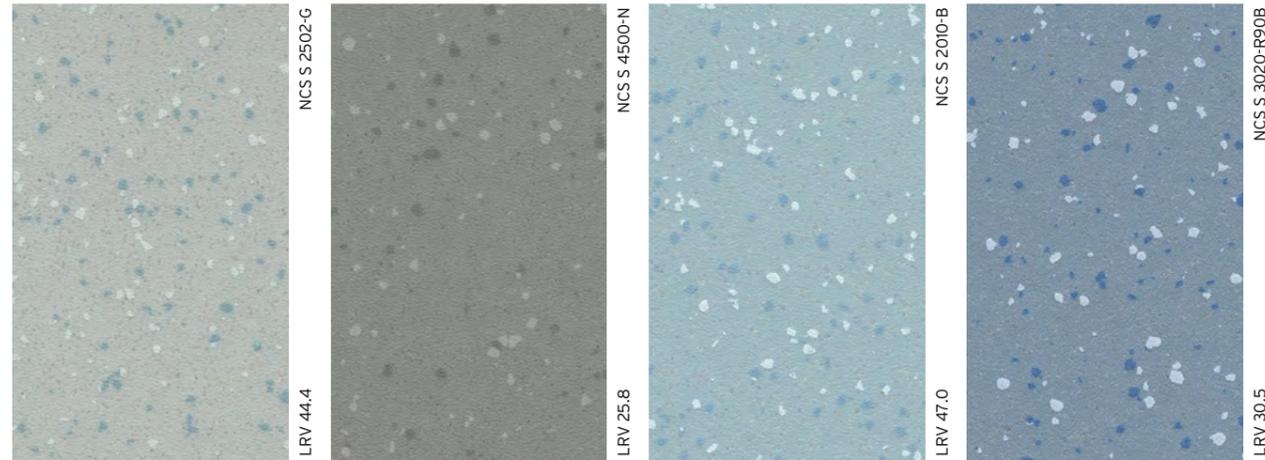


Cookie Cream 5201  
w/r 5201

Biscotti 5212  
w/r 5212

Marshmallow 5214  
w/r 5214

Caramel Latte 5213  
w/r 5213

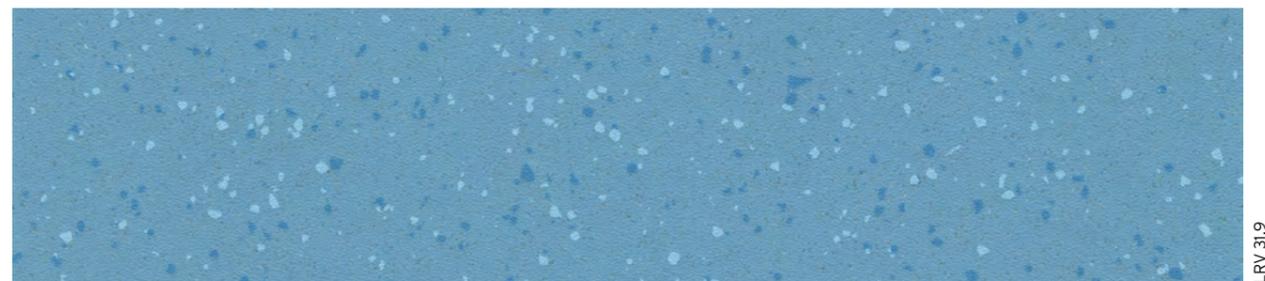


Rainstorm 5202  
w/r 5202

Dolphin Grey 5203  
w/r 5203

Skyline 5205  
w/r 5205

Horizon Blue 5208  
w/r 5208

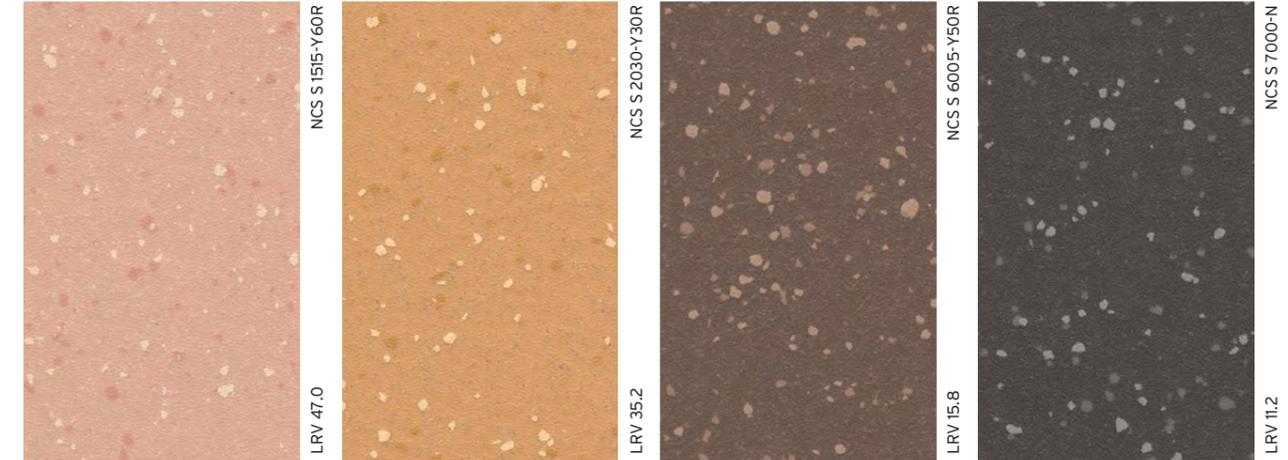


Blue Lagoon 5206  
w/r 5206

NCS S 2030-R90B

## Colour co-ordination devised with NCS

All colours have been designed carefully using the Natural Colour System (NCS). This scientific representation of colour acts as the guiding force for Verona shades and their suitability within many contemporary interior schemes. The resulting high clarity designs feature complementary decorative chips with impregnated coloured quartz particles that are virtually invisible when viewed on the floor. This presents a safety floor that looks like a smooth vinyl with all the tried and trusted Polysafe credentials.

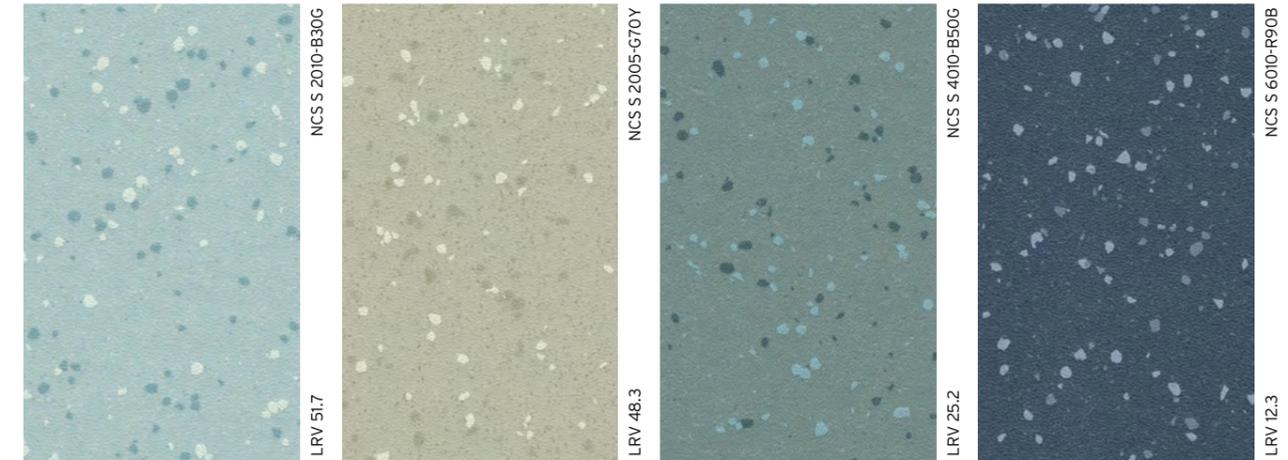


Soft Peach 5216  
w/r 5216

Butterscotch 5218  
w/r 5218

Chocolate Chip 5215  
w/r 5215

Café Noir 5204  
w/r 5204

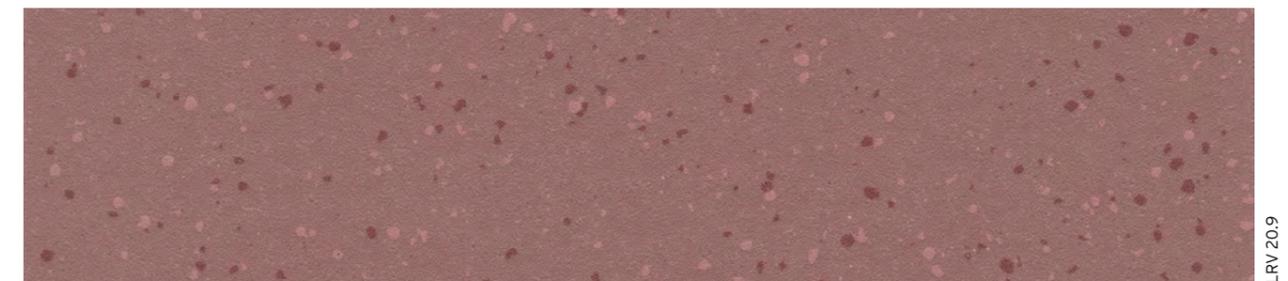


Freshmint 5209  
w/r 5209

Oregano 5210  
w/r 5210

Seagrass 5211  
w/r 5211

Nightfall 5207  
w/r 5207



Summer Coulis 5217  
w/r 5217

NCS S 4020-Y90R

## Technical Specification

The table below details the technical properties of Polysafe Verona PUR

Gauge		2.0 mm	 <small>14</small> <small>EN 14041:2004</small> <small>1121-CPR-DA0063</small>     <b>EN 13845</b>
Roll Size		2m x 20m = 40m <sup>2</sup>	
Product Weight		2600g/m <sup>2</sup>	
General Performance		EN 13845 ASTM F1303 Agrément - under application	
Use Area Classification		23, 34, 43	
Reaction to Fire		EN 13501-1 Class Bfl-S1 ASTM E648 Class 1	
Enhanced Slip		Sustainable wet slip resistance* EN 13845 ESf RRL Pendulum Test $\geq 36$ (wet test - 4S Rubber/Slider 96) Surface roughness $R_z \geq 20\mu\text{m}$ AS/NZS 4586 R10 The slip resistance is assured throughout the guaranteed life of the product, with strict adherence to HSE Guidelines	
Abrasion Resistance		EN 13845 50,000 cycles EN 649 Group T	
VOC Emissions		AgBB/DiBT Pass	
Environmentally Preferable Flooring		Polysafe Verona PUR achieves BRE Global Environmental Generic A+ rating in major use areas such as education and healthcare. Generic EN 15804 Environmental Product Declaration (EPD) is available on request. It is 100% recyclable and contains recycled material. Recyclable via the Recofloor scheme. Visit <a href="http://www.polyflor.com/environment">www.polyflor.com/environment</a>	
Maintenance Enhancement		Polysafe Verona PUR features a high quality, cross-linked polyurethane reinforcement, UV cured to provide superior cleaning benefits, life cycle maintenance savings and optimum appearance retention. As with all Polysafe products, Polysafe Verona PUR should not have a polish applied	
Resistance to Chemicals		Polysafe Verona PUR has good resistance to dilute acids and alkalis. The Polyflor Technical Information Manual provides a general guide. Chemical resistance charts by shade are available on request	
Hygiene		All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection	
Electrical Behaviour		EN 1815 This product does not accumulate static charges above 2kV and is classified as 'antistatic'. For specialist applications where there is a requirement to dissipate the electrostatic charge, see the Polyflor ESD product ranges	



\*For clarification regarding slip resistance, consult Polyflor Customer Technical Services.

It is recommended that this flooring is cleaned with a diluted neutral or alkaline detergent via a microfibre mop or in areas with heavy soiling, periodic cleaning is advised with a machine scrubber. Full floorcare instructions are available on [www.polyflor.com](http://www.polyflor.com)

## Technical Considerations



### Slip Resistance Testing

#### Pendulum Wet Test

Polyflor ensures Polysafe Verona PUR and all other Polysafe ranges are checked against a variety of international test methods for slip resistance. The main test recommended and preferred by the Health & Safety Executive (HSE) to make assessment of floor slipperiness is the Pendulum Co-efficient of Friction test. This is a portable unit that can measure live slip resistance on-site over the life of the floor by sweeping a swinging dummy heel over the surface, replicating a slipping foot. With safety flooring always tested in wet conditions using a Four S/Slider 96 rubber slider to represent a shoe sole of standard slip resistance, all Polysafe ranges including Verona achieve a Pendulum Test Value of 36+ to ensure a low slip potential classification is achieved in accordance with HSE Guidelines.

### Surface Roughness

A complementary slip test method advocated by the HSE for use with the Pendulum Test is the measure of a product's surface roughness. A mean value of several peak to valley measurements is electronically calculated on the floor to generate a roughness value in microns. All Polysafe products meet a minimum of  $R_z \geq 20\mu\text{m}$  to ensure a low slip potential and provide suitable friction when the floor is in contact with contaminants such as water, coffee and soft drinks. The surface roughness test forms a key part of the Slips Assessment Tool (SAT), a computer software programme developed by the HSE that can be used on site to assess slip potential of flooring in specific use areas. This is seen as a useful complementary tool to aid specification but should not be used in isolation. The SAT Tool is available for free download from [www.hse.gov.uk/slips](http://www.hse.gov.uk/slips)

### The Ramp Test (DIN 51130 & AS/NZ 4586)

In contrast with the Pendulum, the Ramp Test is purely an ex-factory test protocol and is not practical to be replicated on site. This therefore takes no account of wear and maintenance on site so gives no reliable indicator of performance over the life of the floor. Typically safety floorings such as Polysafe Verona PUR achieve an R10 rating but sole reliance on this classification for specification should be avoided if a sustainable slip resistant surface is required. A product with a heavy emboss and no aggregate could still provide an R10 rating but this would be transient as once the emboss wears, a smooth finish will be left behind, offering low friction in wet conditions.

### EN 13845

Like all Polysafe ranges, Polysafe Verona PUR conforms to this European standard. Relating specifically to particle based safety flooring, the standard classifies products with an ESf rating to ensure the flooring provides enhanced slip properties for use with footwear. Part of this standard also encompasses stringent conformance to the 50,000 cycles abrasion test, demonstrating that particles and aggregates within the product are sufficiently durable to offer long term sustainable performance.

### Stain Resistance

Polysafe Verona's extensive appeal across the commercial and housing sector means regular exposure to everyday spillages and stains. This may be found in areas where dirt and water contaminants are walked in from outside or in areas such as dining halls and serveries where spillages fall onto the floor. Whilst entrance matting or a suitable dirt barrier system is always recommended at threshold points in entrance areas to minimise contamination, dirt is often unavoidable and is regularly trafficked from the outside. In these hygiene critical areas, Verona is supported by the incorporation of the exclusive Polysafe PUR maintenance enhancement, to offer a floor that is both easy to clean and offers good resistance to dilute acids, alkalis, soaps and detergents. If required, chemical resistance charts are freely available by shade. Contact Polyflor Customer Technical Services on +44 (0)161 767 1912 for details.

### Customer Support

For information regarding handling and installation, adhesives, maintenance, applications and chemical resistance, consult Polyflor Customer Technical Services on +44 (0)161 767 1912 or e-mail [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.

# The difference is clear!



Dark aggregate  
(Traditional safety flooring)

Coloured quartz  
(Carborundum-free  
particles used in Verona)



With its clean finish, Polysafe Verona PUR offers a new perspective in safety flooring design. To be fit for purpose and meet the European Safety Flooring Standard EN 13845, safety flooring needs to incorporate particles to generate slip resistance. Traditional safety flooring features dark silicon carbide or carborundum grit which gives the floor a distinctive sparkle.

As a carborundum-free safety floor, Verona presents an individuality that is hard to replicate. Replacing dark aggregate with a similar concentration of coloured quartz particles, Verona provides a clean, non-intrusive finish that demands interest. With coloured quartz that complements each base shade, particles are designed to be almost invisible when installed - increasing the appeal in showcase areas.

As with all Polysafe products, Verona particles are not just sprinkled on the surface but are contained within the performance layer of the vinyl along with natural recycled aggregates, ensuring sustainable 36+ slip resistance for the product's guaranteed life.

\*Image above shows the aggregate used in the equivalent of 1m<sup>2</sup> of flooring for both traditional Polysafe product and new Polysafe Verona PUR.

# Polysafe<sup>TM</sup> Verona

Advanced design with safety assured

## Find out more

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

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

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

Visit the website and sign up for free e-mail updates



Free of charge samples from

**samples >>> direct >>> +44 (0)161 767 2551**

To obtain free Verona 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 [verona@polyflor.com](mailto:verona@polyflor.com) with any Verona questions or queries

### Polyflor Customer Technical Services Division

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

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Take a look at new Polysafe Verona PUR for forward thinking design with safety as standard



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