

Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring, bonding and movement systems, and offers a full range of flooring products for both commercial and residential markets. High quality linoleum, vinyl, needle felt and hardwood floors combine functionality, colour and design, giving you total flooring solutions for any environment.



# STEP safety vinyl

**surestep  
safestep**

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# Safer by design

Safety vinyl can be used wherever people work, learn, play or go about their daily business. Slip resistancy is a paramount consideration. The Step collection consists of eight ranges of highly durable vinyl floor coverings combining outstanding slip resistance to recognised international standards with an extensive range of designs featuring fresh colours and pleasing patterns. Offering the most complete choice in function and design, Step will help you achieve aesthetically attractive interiors in a wide range of commercial, educational, health care and retail interiors.

All the colours and patterns in the Step collection have been carefully coordinated, and each family of designs comes in a choice of slip resistance ratings, allowing the creation of harmonious, complementary environments no matter how varied and demanding the tasks to be performed.



# Slip resistance

## A safer environment

The Step safety vinyl collection is available in 8 different ranges, all adapted to meet different anti slip requirements for flooring. Surestep Original and Safestep achieve their slip resistance by incorporating throughout the wear layer either quartz, or carborundum grains, or a combination of the two. Clarity in designs, such as Surestep Wood, Stone, Star and Colour, is achieved by using aluminium oxide, also having the same hardness. The result is safety flooring that is tough, long lasting and extremely wear resistant. All particles are so hard that they cannot wear, providing slip resistance that lasts throughout the life of the floor.



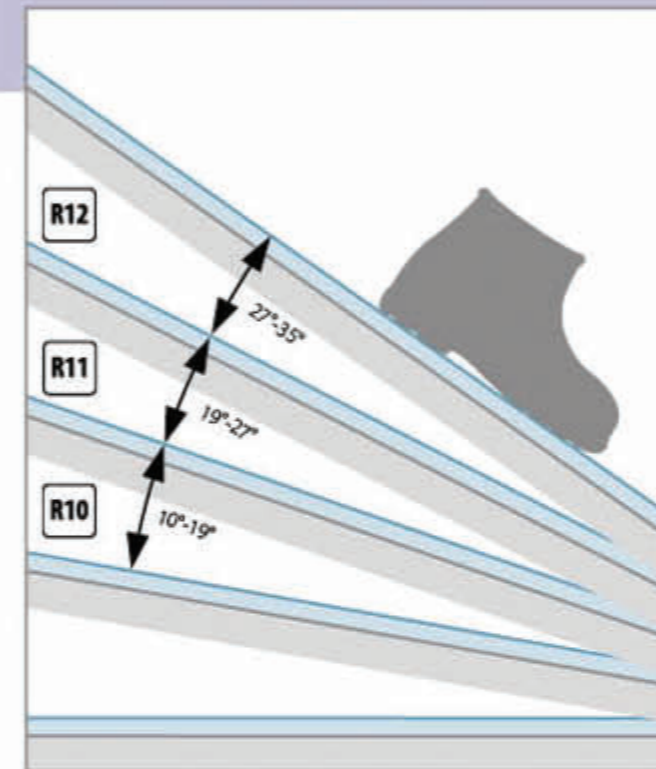
## One slip or trip accident occurs every three minutes\*

Responsible for over 37%\* of accidents that lead to injury, slips and trips, floors have a lot to answer for. Slips and trips are the most common cause of injuries in the workplace. In addition to the extra cost for both employers and society, the most important aspect is the human suffering caused by accidents due to slipping or tripping.

By choosing a Step floor the number of accidents caused by slipping can be reduced significantly. In the long run this will mean less suffering for individuals and a reduction of cost.

\*Source: Health and Safety Establishment, UK

## Classification of slip resistance



### DIN 51130

Known as the "ramp test" and used to measure slip resistance. In simple terms, the angle of a ramp covered with the flooring being tested is increased until the person walking on it slips. The ramp is lubricated with oil and a profiled rubber soled boot is worn by the tester. The tested floor is given an "R" classification depending on the angle of the inclination at which the tester feels unsafe. The scale starts at R9 (the lowest slip resistance class) and runs to R13 (the highest slip resistance class). Step is classified between R10 and R12.

## HSE Compliance

The Health and Safety Executive (HSE) and UK Slip Resistance Group (UKSRG), measure slip resistance using the Pendulum test\*. This test measures the coefficient of friction of a floor surface and the results are used to provide a slip potential classification. A pendulum test value (PTV) of 36 or higher is classified as low slip risk. Micro surface roughness measurements can also be used alongside the Pendulum test to provide an additional indication of slip risk with different contaminants. For example, in wet conditions a surface roughness of 20 microns indicates a low slip risk (more viscous contaminants, such as oil, will require a higher surface roughness).

All Step floors comply with HSE requirements and the construction of Step ensures sustainable slip resistance throughout the guaranteed life of the product.

\*HSE Information sheet - Assessing the slip resistance of flooring

## EN 13845

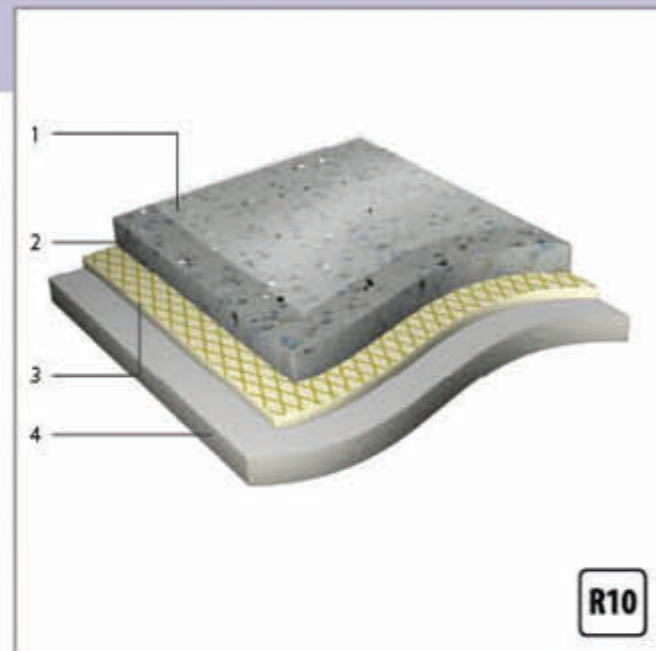
EN 13845 is the European standard that ensures the sustainability of slip resistance in vinyl floor coverings. It concerns PVC floor coverings with particle enhanced slip resistance. This standard specifies the requirements that must be met to ensure durable slip resistance in varying degrees of usage intensity. All Step floors comply with EN 13845 and Australian Standard AS/NZS 4586.

# Product ranges

The 8 product ranges in the Step safety vinyl collection ensure safety in all applications.

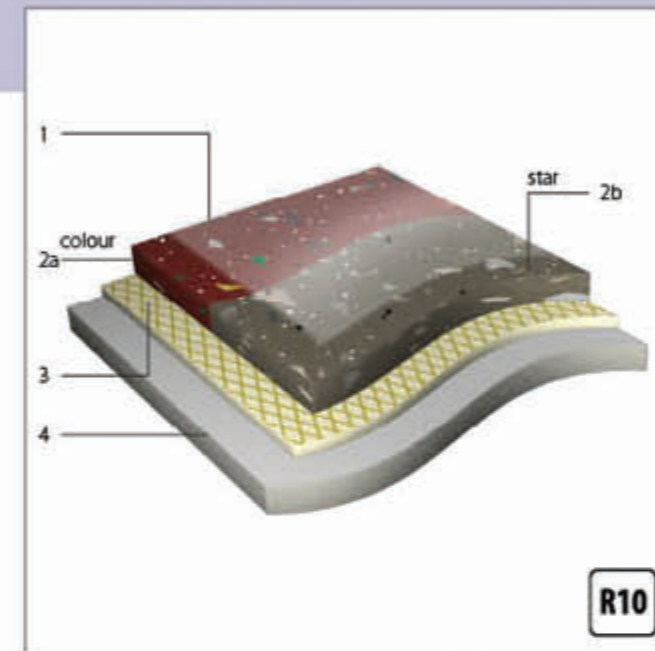
All R10 rated designs in the Step collection feature a PUR Pearl™ surface – a combination of embossing and lacquer that provides a distinctive smooth and lustrous matt finish with high scratch, scuff and wear resistance.

Safestep R11 and R12 have a PUR surface finishing. This finish ensures effective cleaning and maintenance, even on this rougher surface.



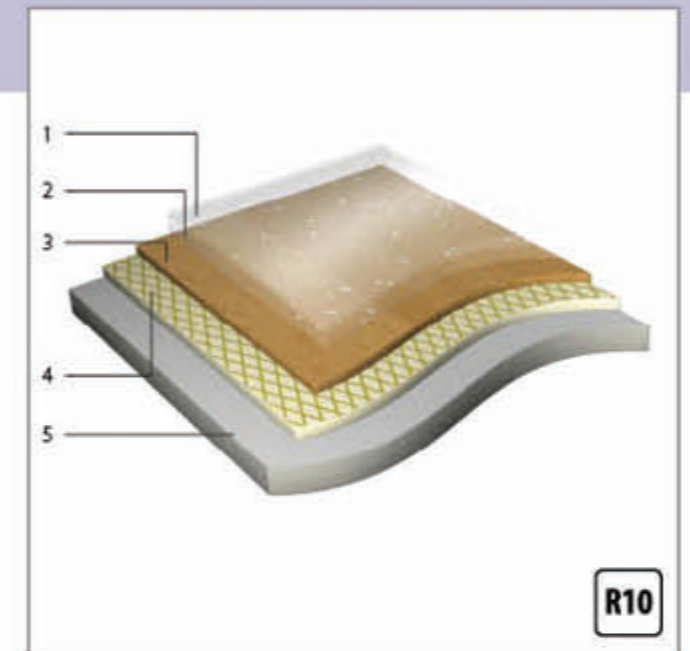
## surestep original

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum particles for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and roughened for easy installation



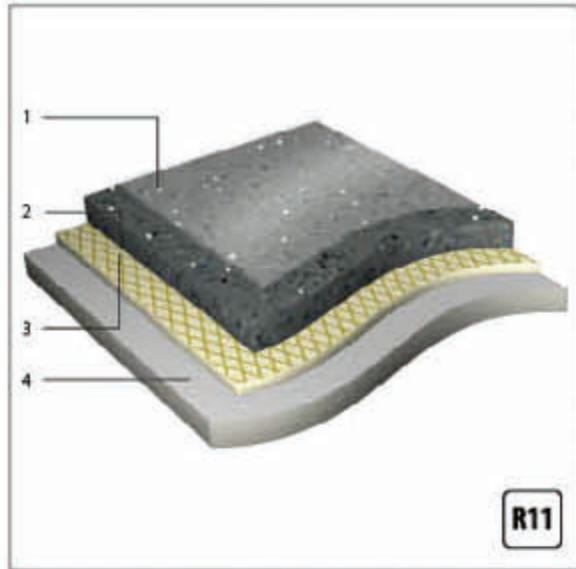
## surestep colour, surestep star

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
- 2a. Colour: 0.7 mm 100% PVC wear layer with aluminium oxide and coloured PVC chips for durable slip resistance. Design layer, UV light resistant against fading
- 2b. Star: 0.7 mm 100% PVC wear layer with aluminium oxide or carborundum with holographic and PVC chips for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and roughened for easy installation



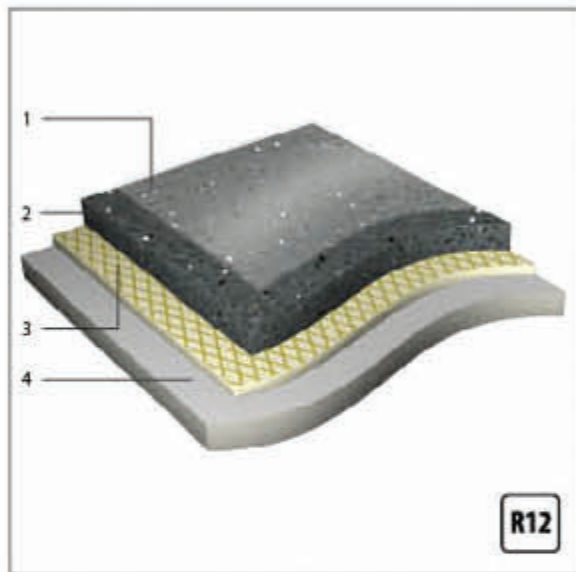
## surestep wood, surestep stone

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with aluminium oxide or carborundum particles for durable slip resistance
3. Design layer, UV light resistant against fading
4. Flexible carrier for optimal dimensional stability
5. Backing with recycled content and roughened for easy installation



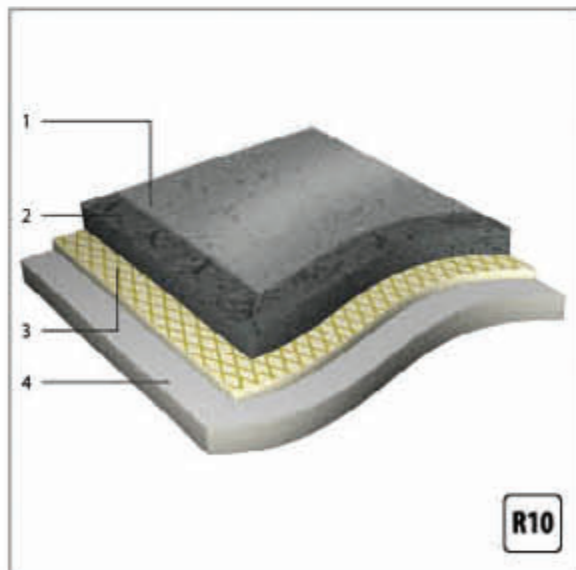
### safestep R11

1. PUR coating for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum particles for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and roughened for easy installation



### safestep R12

1. PUR coating for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum particles for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and roughened for easy installation



### safestep grip

1. PUR coating for easy cleaning and maintenance and a natural appearance
2. Embossing for bare foot anti slip properties. 0.7 mm 100% PVC wear layer with carborundum particles for durable slip resistance. Design layer, UV light resistant against fading
3. Extreme flexible carrier for optimal installation and dimensional stability
4. Backing with recycled content and roughened for easy installation

## Collection benefits

- Extensive design range, including Surestep Wood and Stone
- In compliance with all latest standards, with slip resistance from R10 to R12 and barefoot safety
- Unique usage of combination of quartz and carborundum or aluminum oxide particles ensuring durable slip resistance
- Excellent durability due to 0.7 mm wear layer, wear class is highest with group T rating
- Surestep Original, Colour and Star have dissipative properties
- All ranges are antistatic
- Extremely high indentation resistance
- Easy to clean and low scuff marking due to PUR Pearl™ and PUR coating, perfect for easy cleaning and maintenance
- Matt appearance for a natural look
- Flexible and easy to install, especially for Safestep Grip for wet areas

## Design freedom

- Colour coordinated with other Forbo Flooring collections
- 72 different colours, enabling creative solutions
- Non directional patterns
- Logos can be made by using aquajet technique
- Matching or deliberately different designs of weld rod available



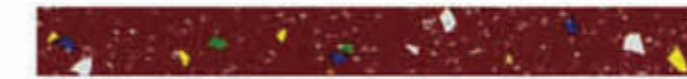
## Environmental performance

- Step is made in accordance with the latest knowledge in PVC technology, applying the least environmentally harmful raw materials and processes
- We maximise the use of recycled material from production into Step
- Step complies to the highest indoor air climate standards such as the German AgBB scheme
- Step is made under compliance to the strict environmental standard ISO 14001
- Forbo is committed to Vinyl 2010; a voluntarily initiative of PVC manufacturers to improve the sustainable profile of PVC products by stimulating recycling initiatives

Eight distinctive, durable product ranges. Together they make one superb collection.



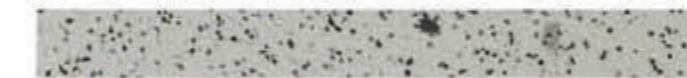
**surestep** original



**surestep** colour



**safestep** grip



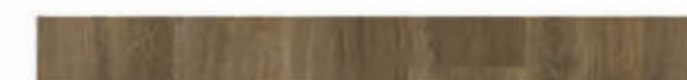
**safestep** R11



**safestep** R12



**surestep** star



**surestep** wood





**surestep** stone

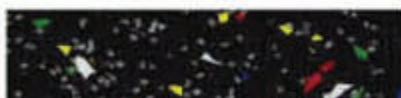
# Colour overview

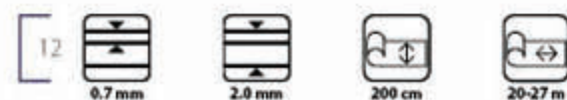
Matching weld rods are available in all collection colours.

**surestep original** R10 PUR Pearl

 17121 dune	 17102 smoke
 17112 bianco	 17100 fog
 17114 sand	 17150 oyster
 17118 tundra	 17125 mink
 17183 pistachio	 17147 brick
 17189 petrol	 17158 burgundy
 17196 steel	 17129 espresso
 17172 sky	 17173 storm
 17176 marine	 17179 navy
 17199 charcoal	

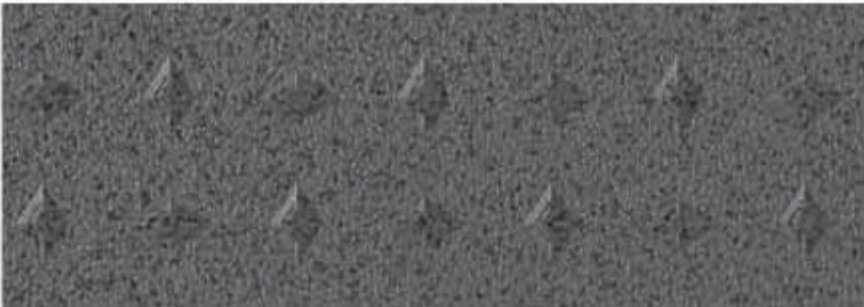
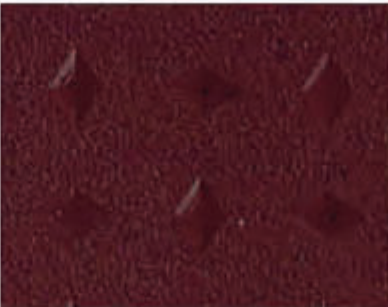






**surestep colour** R10 PUR Pearl

 8900 snow	 8935 corn	 8955 pepper
 8999 basalt	 8994 shadow	 8978 night

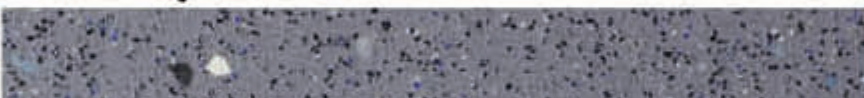









Matching weld rods are available in all collection colours.





**safestep grip** R10 PUR

 17394	 17358
 17302	 17373
 17325	 17399
 17396	 17389

**safestep R11** R11 PUR

 8273	 8202
 8294	 8296
 8225	 8299
 8258	 8289










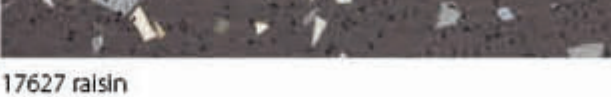
**safestep R12** R12 PUR

 8502	 8594	 8525	 8599
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Matching weld rods are available in all collection colours.









**surestep star** R10 PUR Pearl

 17600 milk	 17613 clay
 17601 trout	 17693 concrete
 17606 pewter	 17626 umber
 17695 mercury	 17627 raisin
 17698 carbon	 17628 dragon


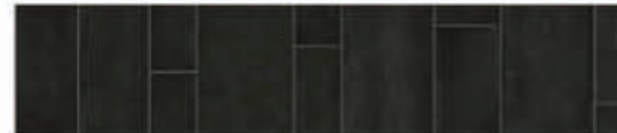



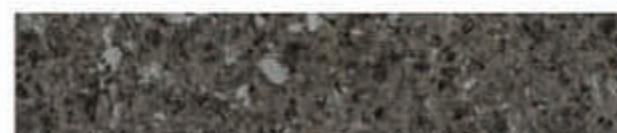




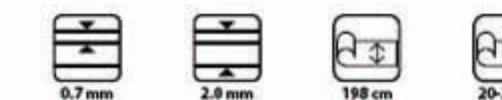
Matching weld rods are available in all collection colours.

**surestep wood** R10 PUR Pearl

 1832 light beech	 1892 natural oak
 1822 sunny beech	 1891 rustic oak
 1844 middle beech	 1872 warm teak
 1816 red cherry	 1805 dark wenge

**surestep stone** R10 PUR Pearl

 1721 almond stone	 1722 black stone
 1732 rusty rock	 1733 nero rock
 1704 silver granite	 1705 antracite granite
 1718 gray concrete	 1719 black concrete



# Service products

## Weld rods

In some application areas it is necessary or even mandatory to use weld rods. Weld rods ensure high levels of hygiene because they make seams easy to clean while preventing water from penetrating the floor covering. Using different coloured weld rod is a way to turn them into a decorative feature.

## Aquajet

Aquajet cutting technology enables reproduction of the most intricate designs and allows for endless creativity. A fine computer-controlled jet of water at very high pressure is used to cut through the material. Whether it is a thematic floor, a work of art, a company logo, the possibilities are limitless.



Matching weld rods are available in all collection colours.

Surestep Wood		Surestep Stone		Surestep Original	
1892	SW1892	1733	SW1733	17199	SW299
1891	SW1891	1732	SW1732	17196	SW296
1872	SW1872	1722	SW1722	17194	SW294
1844	SW1844	1721	SW1721	17189	SW289
1832	SW1832	1719	SW1719	17183	SW283
1823	SW1823	1716	SW1716	17179	SW279
1816	SW1816	1706	SW1706	17176	SW276
1805	SW1805	1704	SW1704	17173	SW273
				17172	SW272
				17158	SW258
				17150	SW250
				17147	SW247
				17129	SW229
				17125	SW225
				17121	SW221
				17118	SW218
				17114	SW214
				17112	SW212
				17102	SW202
				17100	SW200
Surestep Colour		Surestep Star		Safestep Grip	
8998	SW298	17098	SW298	17399	SW299
8994	SW294	17095	SW295	17396	SW296
8978	SW278	17093	SW293	17394	SW294
8953	SW253	17028	SW228	17389	SW289
8933	SW233	17027	SW227	17373	SW273
8900	SW200	17026	SW226	17358	SW258
		17013	SW213	17325	SW225
		17006	SW206	17302	SW202
		17601	SW201		
		17600	SW200		
				Safestep R11	
				8299	SW299
				8296	SW296
				8294	SW294
				8289	SW289
				8273	SW273
				8258	SW258
				8225	SW225
				8202	SW202
				Safestep R12	
				8599	SW299
				8594	SW294
				8525	SW225
				8502	SW8502

## surestep - durable and easily maintained

Surestep offers a moderate increase in slip resistance, with excellent maintenance properties and high durability due to the inclusion of quartz and carborundum particles. The other Surestep ranges include aluminium oxide. Surestep can be installed in all general purpose areas requiring an R10 slip resistance. Surestep can also be easily maintained due to its unique PUR Pearl™.



## surestep original

Lively, colourful and offering authentic, easily accessible designs for today. Multifunctional Surestep is available in 20 diverse colours, from very light to very dark.



For more information about Service Products and System Solutions contact your sales office or visit the website [www.forbo-flooring.com.au](http://www.forbo-flooring.com.au)



Service products

16 17125

Surestep Original 17



17626

## surestep colour

Surestep Colour's outspoken primary colours and fresh, 'happy' patterns give a clean, crisp appearance that will enhance any environment. Positive, pure colours are easy to mix and match for a range of striking, optimistic effects.

## surestep star

Innovative, muted and sophisticated, the larger size of chips used in Surestep Star ensures a floor that is more alive and more of today. The holographic chip gives a "surprise" 3D effect and adds colour to the natural and neutral colour series. Tones of today, all with hints of grey, provide a uniquely refined identity.



17626





## surestep wood

Natural, neutral, friendly designs, close to nature, with a warm atmosphere. Surestep Wood offers classical elegance with authentic images and lively structure with a natural grain. Surestep Wood is enriched by carborundum or aluminium oxide particles.



## surestep stone

Contemporary designs with a stone look, featuring a combination of all over granito and tile or tile fantasy designs. Surestep Stone's hard and solid appearance comes in straightforward stone colours, dark and light, enriched by both carborundum or aluminium oxide particles.



## safestep – high slip resistance

Safestep offers a powerful combination of high anti slip properties, good hygiene and functional, modern designs in a range of matched and interchangeable colours.

### safestep R11

A combination of high slip resistance and high hygienic standards, ideal for areas with a need for enhanced slip resistance. Safe and long lasting, and with PUR coating for easy cleaning and maintenance. Available in 8 colours, all colour matched with Surestep Original.



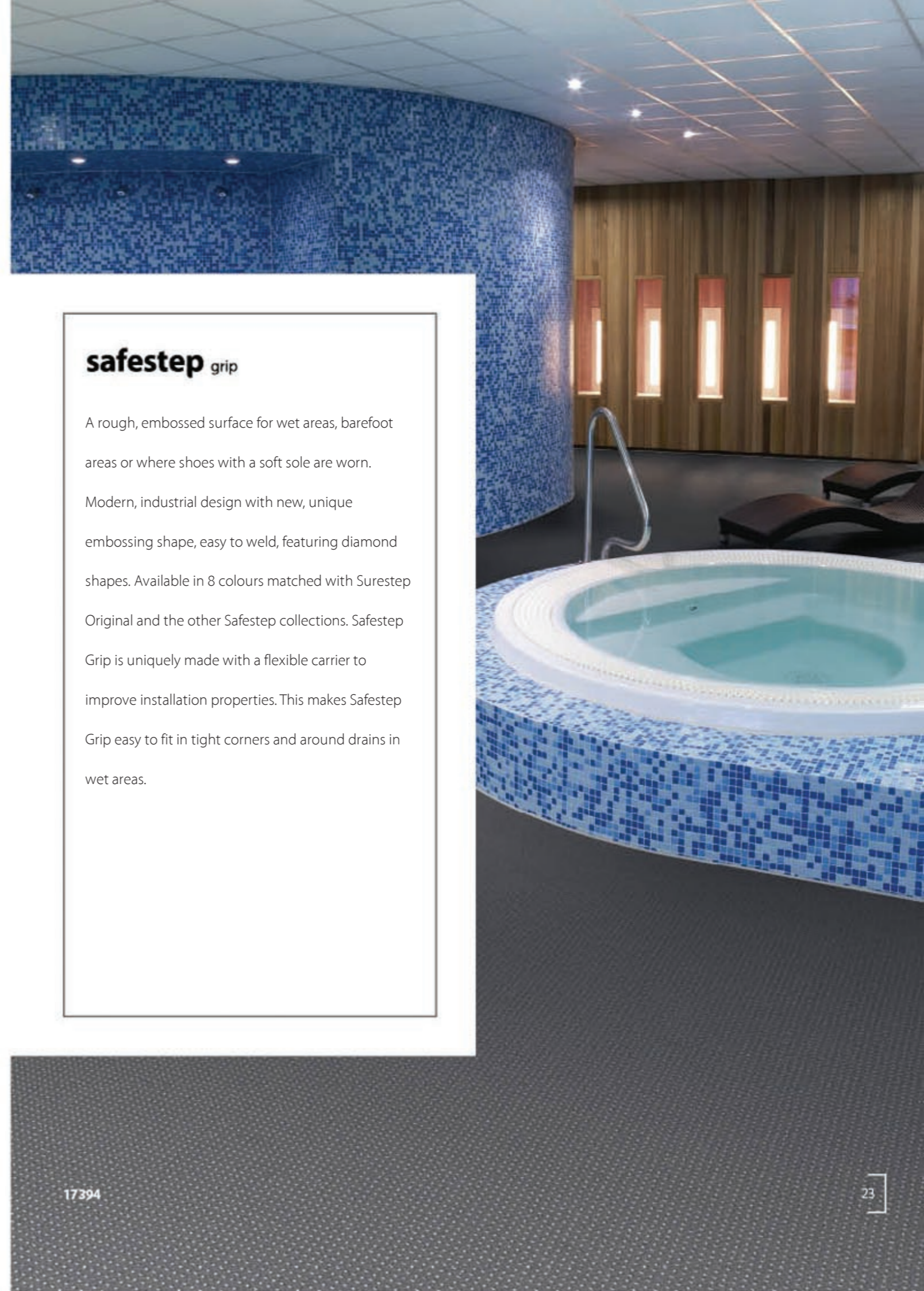
### safestep R12

Long lasting, high slip resistant R12 rated floor ensures slip resistance under even the most extreme conditions. All 4 colours matched with Surestep Original. The PUR coating ensures easy cleaning and maintenance.



### safestep grip

A rough, embossed surface for wet areas, barefoot areas or where shoes with a soft sole are worn. Modern, industrial design with new, unique embossing shape, easy to weld, featuring diamond shapes. Available in 8 colours matched with Surestep Original and the other Safestep collections. Safestep Grip is uniquely made with a flexible carrier to improve installation properties. This makes Safestep Grip easy to fit in tight corners and around drains in wet areas.



# Forbo FloorCare method

The Forbo safety vinyl collections are easy to clean and maintain, thanks to their smooth and highly durable PUR coated surface. The closed surface structure avoids dirt absorption and tracking.

## Surestep

### Cleaning after installation



- Clean the floor with Cleaner and a mop
- Pick up dirty water with a wiper and mop or a water vac
- Rinse with clean water and a mop
- Allow the floor to dry

When intensive traffic is expected:

- Apply a full Spray with an applicator
- Buff the Spray with a rotary machine and a buffing pad

### Regular cleaning



- Wipe with a dust mop and dust cloth, or vacuum the floor

- Remove spots with a damp mop

### Periodic cleaning



- Spray clean with a rotary machine and a buffing pad, use Spray where necessary

### Occasional maintenance



- Scrub with Cleaner, a rotary machine and a scrub pad
- Pick up dirty water with a wiper and mop or a water vac
- Rinse with clean water and a mop
- Allow the floor to dry

When intensive traffic is expected:

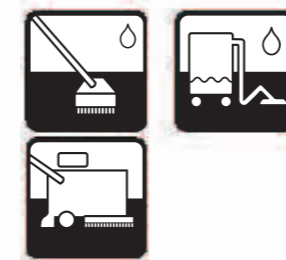
- Apply a full Spray with an applicator
- Buff the Spray with a rotary machine and a buffing pad

#### Products

Forbo Cleaner is an effective and pH neutral cleaner. Forbo Spray acts both as a spray cleaner and as protection. For more information: [www.forbo-flooring.com.au](http://www.forbo-flooring.com.au). If you want to use alternative products, please consult your local supplier. Stripping and sealing is NOT required.

## Safestep

### Cleaning after installation



- Clean the floor with Cleaner and a brush
- Pick up dirty water with a wiper or a water vac
- Rinse with clean water and pick up the water
- Allow the floor to dry

- A combined scrubber-dryer can be used instead

### Regular cleaning



- Vacuum clean the floor with a brush attachment

- Remove spots with a damp mop

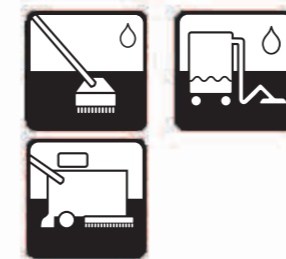
### Periodic cleaning



- Clean the floor with Cleaner and a brush
- Pick up dirty water with a wiper or a water vac

- A combined scrubber-dryer can be used instead

### Occasional maintenance



- On a heavily soiled floor, allow a Cleaner solution to soak for 5-10 minutes
- Scrub with Cleaner and a scrub brush
- Pick up dirty water with a wiper or a water vac
- Rinse with clean water and pick up the water
- Allow the floor to dry

- A combined scrubber-dryer can be used instead



## Forbo Flooring Collections

Forbo Flooring Systems offers you the most comprehensive range in commercial resilient floor coverings. Below you will find the overview of our core ranges.

	General purpose	Acoustic	Conductive	Dissipative	Tiles	Slip resistant	
						by embossing	by particles
Marmoleum / Artoleum	●				●		
Marmoleum Acoustic		●					
Marmoleum Ohmex				●			
Marmoleum Decibel		●					
Marmoleum Sport							
Marmoleum Dual					●		
Cork linoleum		●					
Eternal	●					●	
Smaragd	●			●		●	
Effect	●			●		●	
<b>Surestep Original</b>	●			●			●
<b>Surestep Colour</b>	●			●			●
<b>Surestep Star</b>	●			●			●
<b>Surestep Wood</b>	●						●
<b>Surestep Stone</b>	●						●
<b>Safestep R11</b>							●
<b>Safestep R12</b>							●
<b>Safestep Grip</b>						●	●
Sarlon Tech	●	●				●	
Sarlon Quartz		●					
Sarlon Traffic		●			●		
Eternal Decibel		●				●	
Allura	●				●		
Flex SL	●				●		
Colorex Concept	●				●		
Colorex SD				●	●		
Colorex EC			●		●		

## Technical specifications

Step meets the requirements of EN 649 and EN 13845

		<b>Surestep Original</b>	<b>Surestep Colour</b>	<b>Surestep Wood</b>	<b>Safestep R11</b>	<b>Safestep Grip</b>	<b>Safestep R12</b>
		<b>Surestep Star</b>	<b>Surestep Stone</b>				
Total thickness	EN 428	2.0 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm
Thickness wear layer	EN 429	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm
Collection size		20/6/10	8/8	8	8	4	
Commercial very heavy	EN 685	Class 34	Class 34	Class 34	Class 34	Class 34	Class 34
Industrial heavy	EN 685	Class 43	Class 43	Class 43	Class 43	Class 43	Class 43
Roll width	EN 426	2.00 m	1.98 m	2.00 m	2.00 m	2.00 m	2.00 m
Roll length	EN 426	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m
Total weight	EN 430	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>
Dimension stability	EN 434	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%
Residual indentation	EN 433	0.02 mm*	0.02 mm*	0.02 mm*	0.02 mm*	0.02 mm*	0.02 mm*
Abrasion resistance	EN 660-1	Group T	Group T	Group T	Group T	Group T	Group T
Castor chair continuous use	EN 425	No effect	No effect	No effect	No effect	No effect	No effect
Light fastness	EN ISO 105 B-02	7	7	7	7	7	7
Flexibility	EN 435	ø 10 mm	ø 10 mm	ø 10 mm	ø 10 mm	ø 10 mm	ø 10 mm
Resistance to chemicals	EN 423	Very good	Very good	Very good	Very good	Very good	Very good
Slip resistance	DIN 51130	R10	R10	R11	R10	R12	
	AS/NZS 4586	R10	R10	R11	R10	R12	
	EN 13845 Annex C	ESf	ESf	ESf	ESb	ESf	
	DIN 51097	-	-	-	Class C	-	
	Pendulum Test	≥ 36 Low slip risk**	≥ 36 Low slip risk**	≥ 36 Low slip risk**	≥ 36 Low slip risk**	≥ 36 Low slip risk**	≥ 36 Low slip risk**
	Surface roughness	≥ 20 microns	≥ 20 microns	≥ 20 microns	≥ 20 microns	≥ 20 microns	≥ 20 microns
Electrical resistance	EN 1081(R1;R2)	< 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
	Surface finish	PUR Pearl™	PUR Pearl™	PUR	PUR	PUR	

Step meets the requirements of EN 14041

Reaction to fire	EN 13501-1	B <sub>n</sub> -s <sub>1</sub>	B <sub>n</sub> -s <sub>1</sub>	B <sub>n</sub> -s <sub>1</sub>	B <sub>n</sub> -s <sub>1</sub>	B <sub>n</sub> -s <sub>1</sub>	B <sub>n</sub> -s <sub>1</sub>
Slip resistance	EN 13893	DS: > 0.50	DS: > 0.50	DS: > 0.50	DS: > 0.50	DS: > 0.50	DS: > 0.50
Body voltage	EN 1815	< 2kV	< 2kV	< 2kV	< 2kV	< 2kV	< 2kV
Thermal conductivity	EN 12524	0.25 W/m·K	0.25 W/m·K	0.25 W/m·K	0.25 W/m·K	0.25 W/m·K	0.25 W/m·K

\* typical value

\*\* UK Slip Resistance Group guidelines (wet test)

