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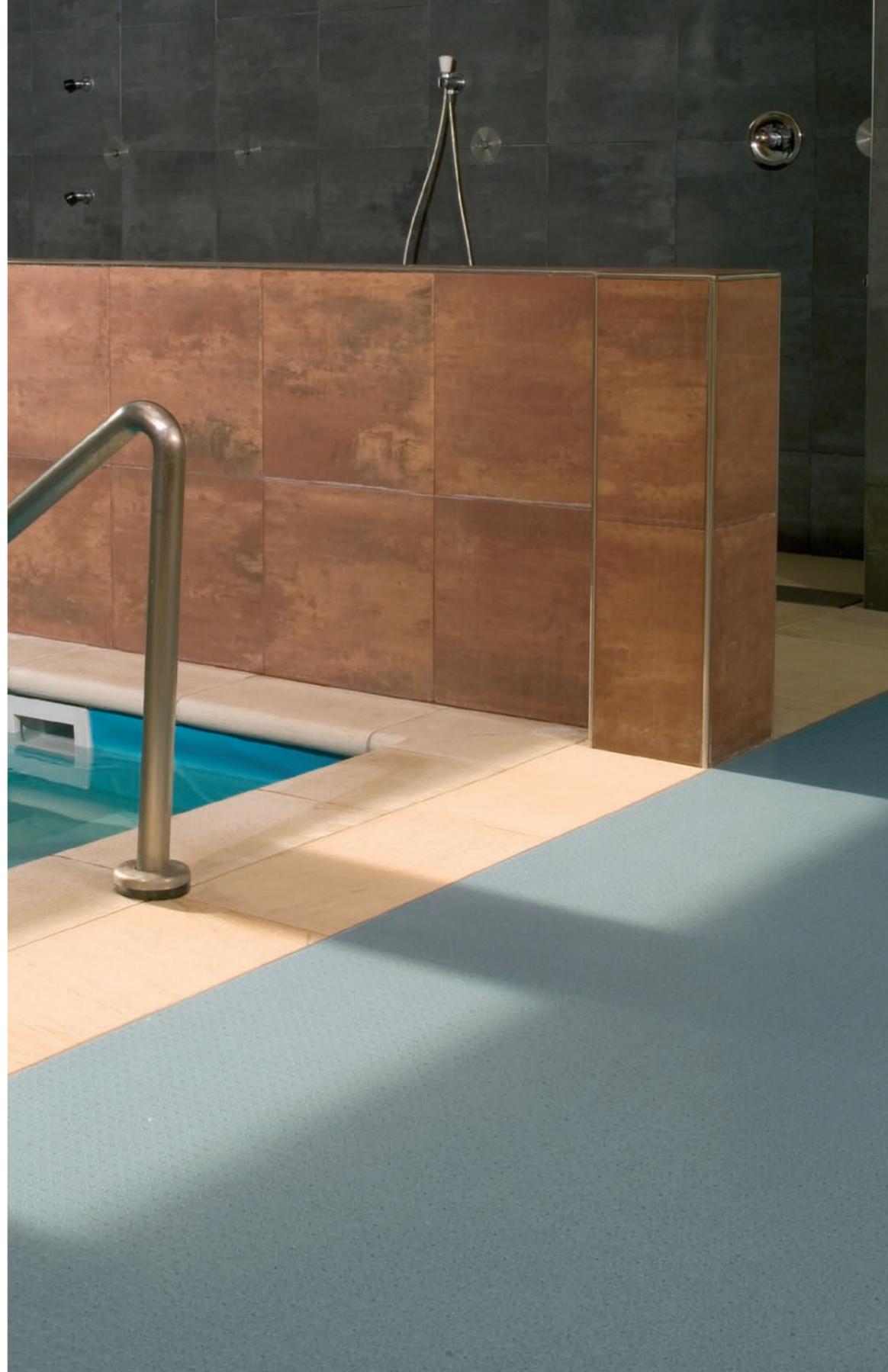
STEP®



creating better environments

safety vinyl





Safety in even the most demanding of applications: Safestep Grip provides slip-resistance outside the shower area, where bare feet and water come together.

step ahead in safety

Welcome to the new collection of Step slip resistant, highly durable floor coverings. A complete collection of fresh colours and pleasing patterns that make floors aesthetically attractive and transform interiors.

All the colours and patterns in this new Step collection have been carefully co-ordinated, moreover each family member comes with a choice of slip resistant ratings. This means you can create harmonious, complementary environments – no matter how varied the tasks to be performed, no matter how demanding they may be. And, to keep the entire application consistent, Surestep PUR is also very suitable for general purpose areas and has antistatic properties.

This latest collection of Step flooring is the successor to the highly popular previous Step series, which can be found in all kinds of industries and businesses such as industry, shops, offices, schools, restaurants, institutional kitchens, hospitals and more. Now, with this new collection you can continue to step ahead in safety, while creating beautiful and functional environments.



step ahead in design freedom

Unique in safety vinyl – 1 collection, 4 types, 3 ratings

What makes Step so unique? Quite simply, it is the only collection where all family members offer you a choice of slip resistance ratings: from basic to high-end safety. This means, for example, that you can have high-end (Safestep R12) slip resistance floor coverings around sinks and splash areas and more basic general purpose flooring (Surestep PUR) in the surrounding areas – but because the different ratings come from the same family you create a completely harmonious look and feel throughout. You can retain the same floor pattern or combination of patterns.

New European regulations (pr EN 13845) provide thresholds to be met for enhanced slip resistance of PVC floor coverings under various conditions. In areas that are primarily intended for barefoot use such as shower trays and pool surroundings a slip resistant floor covering is essential. In such wet conditions a studded surface gives a firm grip, but being walked on with bare feet, the surface should not be too rough. Safestep Grip combines these properties in a unique product composition in compliance with the latest European requirements.

For more information on the various ratings, R10, R11, R12 and Barefoot Safety please go to www.forbo-flooring.com and visit the special Step section.



Only with Step can you combine different safety ratings and maintain design consistency. The kitchen above uses Safestep R11 around the cooking areas, while Surestep R10 is applied in the surrounding areas.

step ahead in longer-life performance

Another unique attribute of the new Step collection is the covering's highly innovative construction. We've used an optimised combination of quartz and carborundum – two very hard minerals that not only increase slip resistance, but also make the covering extremely durable and wear-resistant. The result? Safety flooring that's tough, highly durable, and wear-resistant. Enabling it to provide protection against slipping much longer than conventional safety flooring.

Quartz Carborundum

The new Step collection of floor coverings uses a unique combination of quartz and carborundum. These two highly durable minerals help ensure longer-life performance and continued slip resistance.



Surestep PUR



Safestep Grip



Safestep



Safestep R12



step ahead in so many ways

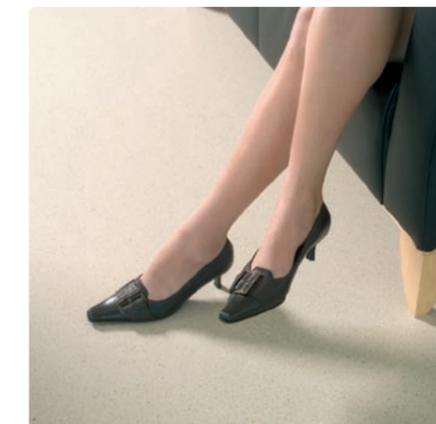
Your floor stays beautifully smooth – thanks to Step's excellent resistance to indentation.

It's easy to clean – thanks to Step's good cleaning properties due to PUR reinforcement.

Better people comfort – via Surestep's antistatic properties as they bring you safety and comfort.

Creative combinations – the new Step collection is designed to enable aesthetically pleasing combinations of colours and patterns, but also fits perfectly with Forbo's other floor covering products.

Peace of mind – your new Step collection comes from Forbo, the highly trusted and renowned manufacturer with a reputation for quality design.



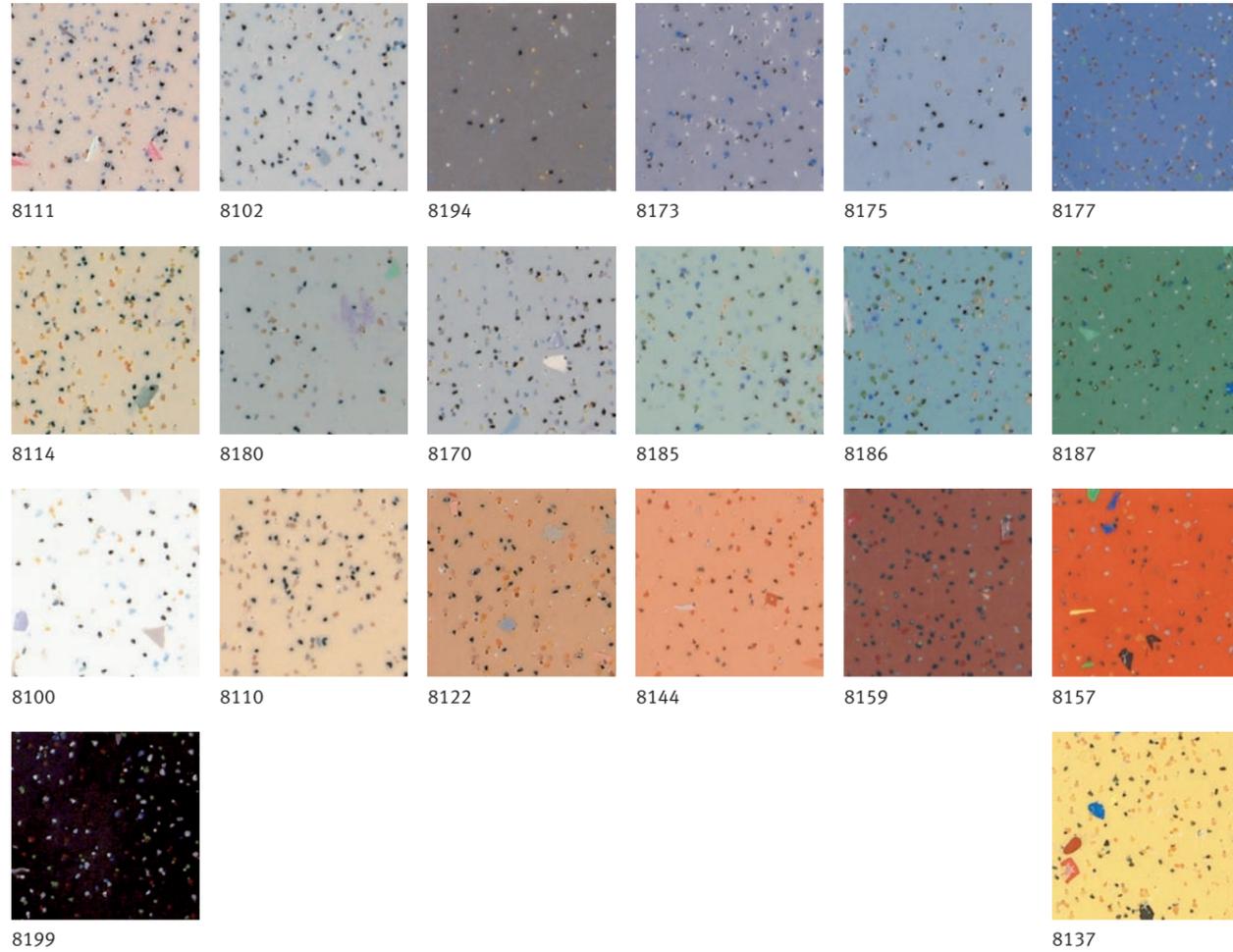
Surestep's longer-lasting performance makes it ideal for heavy traffic areas such as the reception area above. And, thanks to Surestep's wide range of patterns and colours, you can create many different aesthetic design combinations.

Colours & designs



Surestep PUR R10

Floor covering with a moderate increase of slip resistance, excellent maintenance properties and highly durable due to the quartz and carborundum. Surestep PUR can be installed in all general purpose areas. Additionally Surestep PUR is also suitable for areas where a hard wearing floor with increased slip resistance, antistatic properties, excellent maintenance properties, and low indentation properties is needed. The surface is reinforced with polyurethane, PUR.



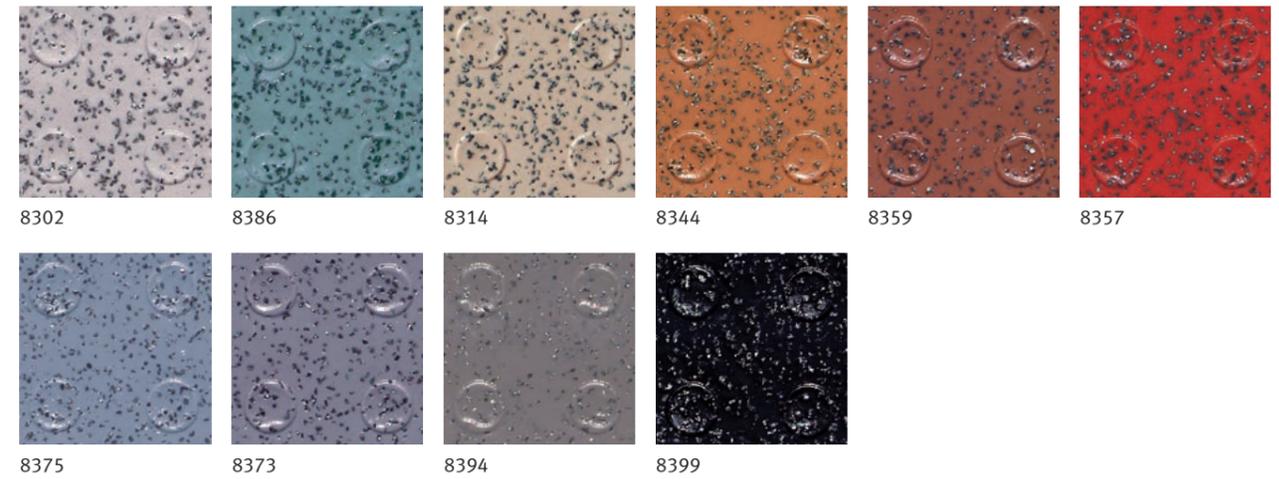
Matching welding rods are available in all collection colours.

Safestep Grip

R10

Barefoot Safety

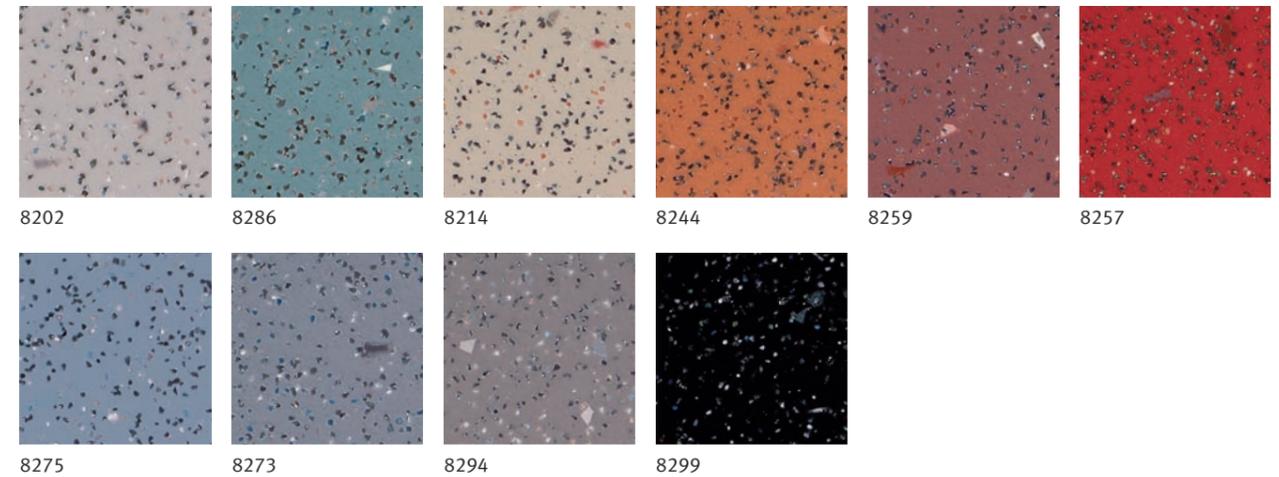
Floor covering with a rough surface, which offers especially good safety underfoot in wet areas, particularly barefoot areas or where shoes with soft sole are worn. The raised surface drains water away and provides good slip protection. Available in ten colours, all collection colours have been colour matched and are interchangeable.



Safestep

R11

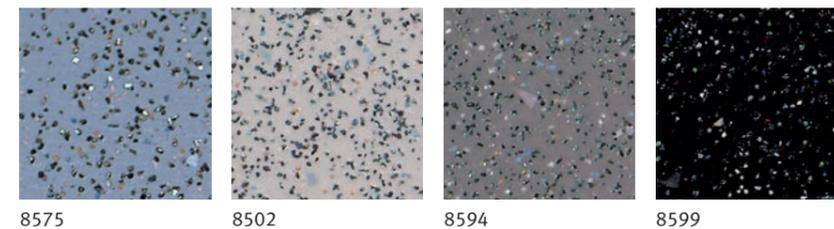
Floor covering with high slip resistance. Hygienic standards can easily be obtained. Ideal for areas with a general need for enhanced slip resistance, available in ten colours. All collection colours have been colour matched and are interchangeable.



Safestep R12

R12

Floor covering with high slip resistance. Hygienic standards can easily be obtained. This R12 rated product ensures a safety floor which meets even the most extreme conditions. Available in 4 colours and all collection colours have been colour matched and are interchangeable.



Constructed to withstand even the most demanding of conditions

Step flooring uses the latest processing techniques, highly durable materials and tried-and-tested profile designs.

PUR Finish

The Surestep range has a PUR finish surface, which means that a creative and attractive environment can be achieved even where hygienic standards are high.

Wear layer composition

Surestep PUR, Safestep, Safestep Grip and Safestep R12 have a pigmented pure plasticised PVC wear layer with carborundum and coloured quartz particles.

Reinforcement

All products contain glass fibre reinforcement and contribute to an excellent dimension stability.

Backing

Pigmented, plasticised PVC with filler.

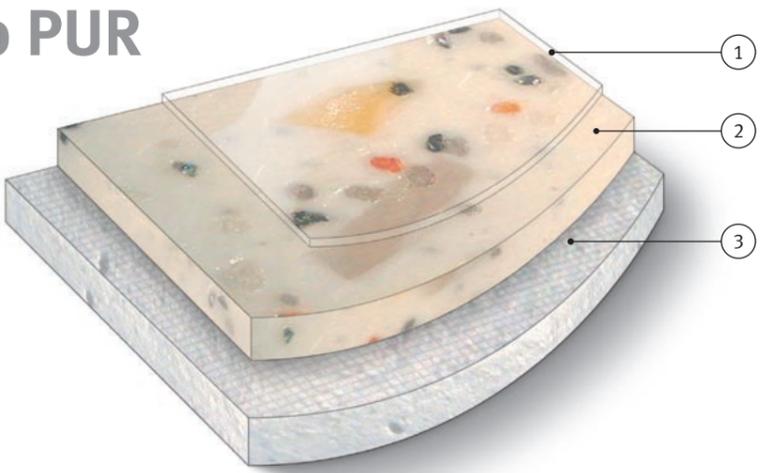
Patterns

All designs shall be reverse installed. Matching welding rods are available in all collection colours.

- ① PUR surface
- ② Coloured quartz / Carborundum particles
- ③ Glass fibre reinforcement

Surestep PUR

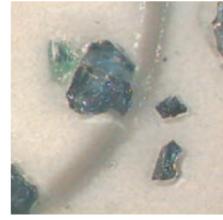
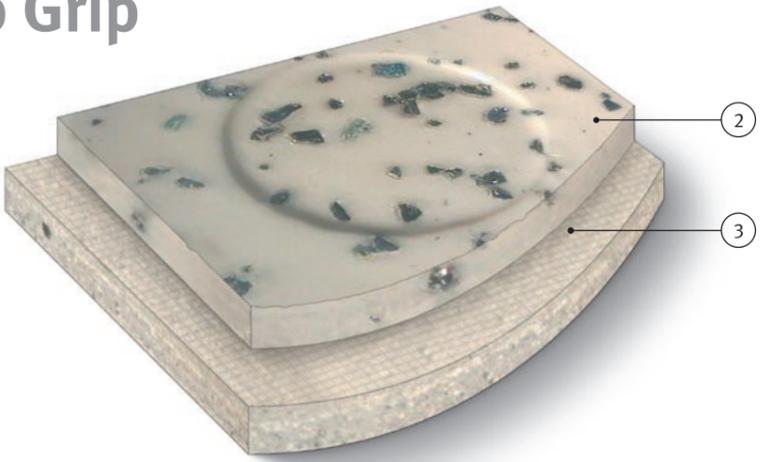
R10



Safestep Grip

R10

Barefoot Safety



Safestep

R11



Safestep R12

R12



Installation

Installation

The finest floor covering made won't look good or perform well if it is not installed properly. In the flooring industry, almost 98% of all complaints are related to installation, subfloor or maintenance failure.

Preparations

No floor covering is better than the subfloor on which it is installed. The final appearance and performance of the floor covering will be determined and affected, in part, by the condition of the subfloor. It is essential that all subfloors are solid, smooth, flat, even, permanently dry, clean and free of all foreign materials such as dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt and old adhesive residue.

The dryness of the subfloor is of the utmost importance to the flooring contractor. The moment the subfloor is dry enough for installation must therefore be determined by testing the moisture level in the subfloor.

The most reliable method is to measure the RH in the concrete.

It should be measured at the worst level, which means:

- Suspended floors at minimum 20% of the thickness, measured from the surface.
- Slabs on the ground at minimum 40% of the thickness.
- Suspended joists with a thickness of 200 mm at the depth of minimum 80 mm.
- Measurement should be made at the worst place in the room, i.e. not at windows, doors, etc. where the value can be too low.

When installing Step, the RH in the air should not exceed 85% at 18°C (65°F). At an RH exceeding 85%, installation should not be carried out. In the case of slabs on the ground, there is a risk for rising damp unless there is thermal insulation or a vapor barrier under the concrete slab.

Use conductive adhesives for Surestep PUR to receive further antistatic properties.

Working conditions

Installation areas for flooring must be clean, fully enclosed, weathertight and maintained at uniform temperature at least 48 hours prior to, during and after the installation is completed. The RH in the room must not exceed 60%, and the temperature must be at least 18°C (65°F). The flooring material should be conditioned in the same manner. Store all rolls vertically with the labels uppermost to ensure that the colour, roll and batch numbers can be easily read. When more than one roll of a colour is being installed, all material should be from the same batch and the rolls must be installed in consecutive numerical order. If material from more than one batch is to be used, the job should be laid out so that different batch numbers are not installed side by side. The material should always be installed in alternate directions to avoid possible minor differences in colour at the seams.

Cleaning and maintenance

Surestep PUR

The wear layer of Surestep PUR vinyl flooring contains carborundum and quartz particles. This provides a moderate increase of slip resistance, but above all, an especially hardwearing surface compared to that of normal vinyl flooring. The surface is reinforced with polyurethane PUR and is relatively smooth, which ensures good maintenance qualities. Dry and damp cleaning methods produce the best results and should be used whenever possible.

Buffing the floor is recommended as an economical method of maintenance. A suitable spray polish can be applied if necessary.

1. Initial clean-up

Preliminary cleaning - Remove all debris, dirt and dust off the floor. Vacuum clean and/or sweep the floor clean thoroughly.

Mechanical: Use a combined scrubber dryer or a scrubbing machine and a neutral detergent. Soak up all the water and leave floor to dry.

Manual: Rinse the floor at least twice. Add an acidic detergent to the first rinse water. Soak up all the water after each rinse. Leave the floor to dry.

2. Daily maintenance

Mechanical: Use a combi-machine with a red pad. A surface protecting polywax can be added to the cleaning water.

Manual: Vacuum cleaning, dry or damp mopping methods are most suitable. When the surface is heavily soiled and requires wet mopping, use a detergent with a pH lower than 9. Dry up as much of the dirty water as possible.

3. Periodic maintenance

Dry buffing - Buffing will provide an even surface gloss and improve the dirt resistance. Follow cleaning instructions in point 2 before buffing. Use a rotary buffing machine (max. 1000 rpm) with a soft pad. Spray polish can be used when buffing the floor to achieve a glossier finish.



Cleaning and maintenance

Safestep

All Safestep vinyl floorings offer enhanced slip resistance thanks to their surface structure and the quartz and carborundum particles that are embedded throughout. Because of the high friction properties of these floor coverings, normal dry and damp mopping methods are not suitable. Daily cleaning should include vacuum cleaning (dry areas) or brush scrubbing. Strong alkaline detergents or cleaning agents containing solvents should be used with care. Remember always to rinse with clean water. Safestep vinyl flooring should not be treated with polish since this will smooth the surface and reduce the anti-slip properties of the flooring.

1. Initial clean-up

Preliminary cleaning - Remove all debris, dirt and dust off the floor. Vacuum clean and/or sweep the floor clean thoroughly.

Mechanical: Use a combined scrubber dryer or a scrubbing machine with a brush and a neutral detergent. Soak up all water.

Manual: Use a scrubbing brush/mop. Rinse the floor at least twice. Soak up all the water after each rinse. Leave the floor to dry.

2. Daily maintenance

Mechanical: A combined scrubber dryer with a brush will produce the best results. If the floor is heavily soiled, a strong detergent with pH 10 can be used. Rinse with clean water.

Manual: Vacuum clean the floor. Use the vacuum cleaner's brush appliance. Use a scrubbing brush/mop and a neutral detergent with wet maintenance. If the area is heavily soiled, use a detergent with about pH 10. Rinse with clean water.

3. Periodic maintenance

Clean heavily soiled areas by soaking the floor with a concentrated cleaning solution. Then scrub the floor. High pressure cleaning is an alternative method to scrubbing.

Technical specifications

STEP®

This heterogeneous project vinyl meets the requirements of EN 649, EN 13845 and CE-marking.

		Surestep PUR	Safestep	Safestep Grip	Safestep R12
 Classification	EN 685	34/43	34/43	34/43	34/43
 General purpose	EN 685	✓			
 Total thickness	EN 428	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
 Roll width	EN 426	2.0 m	2.0 m	2.0 m	2.0 m
 Roll length	EN 426	20-27 m	20-27 m	20-27 m	20-27 m
 Weight	EN 430	2.8 kg/m ²	2.8 kg/m ²	2.8 kg/m ²	2.8 kg/m ²
 Body voltage generation	EN 1815	< 2kV	< 2kV	< 2kV	< 2kV
 Electrical resistance	EN 1081 R ₁	5 x 10 ⁷	> 10 ⁹ Ω	> 10 ⁹ Ω	> 10 ⁹ Ω
 Slip resistance	EN 13893	> 0.5	> 0.5	> 0.5	> 0.5
	EN 13845 Annex C	ESf	ESf	ESb	ESf
	DIN 51130	R10	R11	R10	R12
	DIN 51097	-	-	Class B	-
 Fire rating	EN 13501	B _{fl} s1	B _{fl} s1	B _{fl} s1	B _{fl} s1
 Castor chair resistance	EN 425	No effect	No effect	No effect	No effect
 Residual indentation (≤ 0.1mm)	EN 433	0.02 mm	0.02 mm	0.02 mm	0.02 mm
 Colour fastness	ISO 105-B02	7	7	7	7
 Dimension stability (≤ 0.4%)	EN 434	< 0.2%	< 0.2%	< 0.2%	< 0.2%
 Flexibility	EN 435	∅ 10 mm	∅ 10 mm	∅ 10 mm	∅ 10 mm

The Step collection is ideal for all kinds of food preparation and manufacturing environments. This application shows Safestep R12 in a chocolate and bakery application.



For more information please go to www.forbo-flooring.com and visit the special Cleaning & Maintenance section.



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