

Floortec Topcon F 828

Silk gloss, polyurethane coating, single-component, lightfast, for use outdoors



Field of application

As a top coat in the balcony coating system on surfaces in exterior areas, e.g., balconies, loggias, and pergolas that are subject to foot traffic only. Can be used in the system build-up directly on the leveling filler consisting of Floortec 2K-Basecon 825 mixed with Floortec Basecon Ad 826 or the sealing layer with Floortec 2K-Sealcon 827, as well as a renovation coat on intact 2K-PUR and PMMA coatings.

Properties

- Low-solvent
- Flexible at low temperatures
- Crack-bridging
- Lightfast
- Ready for use
- For use outdoors
- Hard-wearing and abrasion-resistant

Material description

Color shades	Scala	Description
	63.03.18	RAL 7001 Silver gray
	90.03.18	RAL 7032 Pebble gray
	75.03.12	RAL 7035 Light gray
Degree of gloss	Silk gloss	
Base material	Pigmented polyurethane resin	
VOC	EU limit value for this product (Cat. A/i): 500 g/l (2010). This product contains max. 190 g/l VOC.	
Density	Approx. 1.50 g/cm ³	
Elongation at break	450% at +20°C and 60% relative air humidity	
Max. tensile strength	> 8 N/mm ² at +20°C and 60% relative air humidity	

Material description	
Reaction to fire	B1 – Bfl s1 in accordance with DIN EN 13501-1 (“schwerentflammbar” flame-retardant) in system build-up in the Floortec balcony coating system according to classification report no. TFI-21-000282-02. Follow the further instructions about system build-ups in the data sheets.
Packaging	7 kg
Use	
Thinning	Ready to use. Do not thin before applying.
Tinting	Do not tint.
Compatibility	Can be mixed with Floortec Thixofix 837, to increase stability for application to vertical surfaces. Do not mix with other materials.
Application	Stir Floortec Topcon F 828 well prior to application. We recommend the use of a slow-speed mixer (max. 400 rpm). Avoid inclusion of air during mixing. Apply Floortec Topcon F 828 with a trowel or roller. First of all, coat the connecting areas, penetrations, etc. Then apply the material evenly with the Notched Blade Spreader Spatula 1294 and the Double-edge Notched Blade 1326 type TKB B1, in approx. 1 mm layer thickness and smooth uniformly with the Hydro Paint Roller 1288 in transverse directions (once horizontally and one vertically).
Design with Decochips (optional)	For alternative surface design, Floortec Decochips 843 can also be scattered into the fresh top coat. These areas are to be additionally sealed with Floortec Topcon T 829. For use with Decochips and clear sealer, observe the note on “Clear sealed areas” and follow the instructions in the clear sealer Data Sheets.
Consumption	Approx. 450 g/m ² on an even, smooth substrate. Determine exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply at temperatures below +8°C or above a max. of +30°C air, substrate and material temperature. Apply at temperatures at least 3°C above the dew point.
Tool cleaning	Clean tools immediately after use with PUR Thinner 617. When dry, only mechanical cleaning is possible.
Drying (+20 °C, 65 % relative humidity)	
	Rainproof after approx. 1 hour. Coatable after approx. 6 hours. Fully stressable after approx. 5 days. In order to achieve good adhesion, always implement within 48 hours. After 48 hours, a pretreatment with Floortec Pricon 831 is required. Allow for longer drying time if the temperature is lower and/or the humidity is higher.
Storage	
	Store between +8°C and +25°C before use. Can be stored in the original container in a cool and frost-free place for approx. 9 months.
Declaration	
Product code	PU50 Comply with the specifications in the current Safety Data Sheet.

Substrate preparation

The substrate must be solid, clean, with good adhesiveness, load-bearing, dimensionally stable, and free of separating agents, corrosion-promoting components, or other layers affecting adhesion. The substrate must conform to technical building standards and have an adhesive tensile strength of at least 1.5 N/mm². The substrate must be protected against rising damp; and a surface inclination (slope) $\geq 1.5\%$ must be ensured. The self-leveling filler with Floortec 2K-Basecon 825 in combination with Floortec Basecon Ad 826 must be applied subsequent to priming with Floortec 2K-Basecon 825. Sand intact, rigid and firmly adherent 2C PUR coatings (mechanically, with e.g., Rotex and Granat abrasive agent, grain size P 60) and clean, such that the surface is free of dust and then pretreat with Floortec Pricon 831. Non-bearing or unsuitable coatings must be removed by means of an appropriate object-related procedure, e.g., paint stripping, milling, dust-free shot blasting. All substrates that have been built-up using a system build-up process with self-leveling coating must have this coating removed and be pretreated using the shot blasting method or diamond grinding. Before starting the coating work, the substrate must be surface-dry. Moisture on the substrate leads to blister formation and/or adhesion problems. Existing expansion joints must be prepared for the coating work (installation of expansion joint profiles or similar). These must be incorporated in the coating. See also VOB Part C, DIN 18363, Section 3.

Floortec Topcon F 828 system build-up *)

Substrates	Priming	Self-leveling filler	Top coat ¹⁾
Untreated, absorbent floor surfaces, exterior, e.g., concrete and screed surfaces	Floortec 2K-Basecon 825, depending on absorbency, 50 to 100% water-thinned	Floortec 2K-Basecon 825, mixed with Floortec 2K-Basecon Ad 826, depending on requirements, up to approx. 1% water-thinned	Floortec Topcon F 828

¹⁾ For alternative surface design, Floortec Decochips 843 can also be scattered in the subsequent clear sealer with Floortec Topcon T 829.

*) In the system build-up B1 – Bfl s1 in accordance with DIN EN 13501-1 ("schwerentflammbar" flame retardant) according to the classification report.

ETAG 005 Floortec Topcon F 828 system build-up

Substrates	Priming	Self-leveling filler	Sealing layer	Top coat ¹⁾
Untreated, absorbent floor surfaces, exterior, e.g., concrete and screed surfaces	Floortec 2K-Basecon 825, depending on absorbency, 50 to 100% water-thinned	Floortec 2K-Basecon 825, mixed with Floortec 2K-Basecon Ad 826, depending on requirements, up to approx. 1% water-thinned	Floortec 2K-Sealcon 827	Floortec Topcon F 828

¹⁾ For alternative surface design, Floortec Decochips 843 can also be scattered in the subsequent clear sealer with Floortec Topcon T 829.

Renovation coating with Floortec Topcon F 828

Substrates	Pretreatment	Top coat ¹⁾
Intact 2K-PUR and PMMA coatings, for exterior areas, e.g., balconies, loggias, and pergolas	Thin layers with Floortec Pricon 831	Floortec Topcon F 828

¹⁾ For alternative surface design, Floortec Decochips 843 can also be scattered in the subsequent clear sealer with Floortec Topcon T 829.

Notes

Contiguous surfaces	Only coat contiguous areas with material from the same batch. Apply the top coat uniformly and in layers that are as consistent as possible to achieve a surface that has a uniform color shade and degree of gloss.
Usage of partial quantities	Color changes are to be expected when using partial quantities.
Protection against moisture	The coating reacts with moisture. Freshly coated surfaces must be protected against moisture. The substrate to be coated must be surface-dry.
Detrimental changes in appearance	Constituents from organic substances (e.g. tea, coffee, red wine, plant parts, leaves, etc.) and chemicals such as disinfectants and acids may result in changes in the coating's color. Abrasive stress may result in scratches in the surface. The functionality is not affected by these changes in appearance.
Excluded field of application	Do not use on surfaces subject to vehicular traffic, terraces touching the ground, roof terraces and other areas above living spaces or on floor surfaces with standing water or continuous exposure to moisture.
Transparent-sealed surfaces	Surfaces treated with transparent sealer have the properties of the respective transparent sealer. For implementation with additional transparent sealer, follow the instructions in the transparent sealer Data Sheet.
Service life	Sealers and coatings on floor areas are subject to use-related wear. The specific service life depends primarily on the film thickness and the intensity of the surface stress.
Further information	Follow the instructions in the data sheets of the products used.

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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