

## Floortec Topcon T 829

Transparent sealer based on polyurethane, silk gloss, single-component, for use outdoors



### Field of application

As a transparent top coat with additional surface design with Floortec Decochips 843 on Floortec Topcon F 828 as well as an adhesive layer and seal for Floortec Colorgrains 830 in the balcony coating system. Can be applied to areas exposed to foot traffic in exterior areas, e.g., balconies, loggias, and pergolas.

### Properties

- Low-solvent
- Flexible at low temperatures
- Water-vapor-permeable
- Crack-bridging
- Lightfast
- Ready to use
- For use outdoors
- Hard-wearing and abrasion-resistant
- Tested as a slip-resistant system build-up in conjunction with Floortec Colorgrains 830, Slip resistance class R 12 in accordance with the test certificate or Sliding friction coefficient in accordance with DIN 51131  $\mu_{NM} \geq 0.7$  (suitable for use, without restrictions) in accordance with the test report

### Material description

<b>Color shade</b>	Transparent
<b>Degree of gloss</b>	Silk gloss
<b>Base material</b>	Solvent-based polyurethane resin
<b>VOC</b>	EU limit value for this product (Cat. A/i): 500 g/l (2010). This product contains max. 250 g/l VOC.
<b>Density</b>	Approx. 1.40 g/m <sup>3</sup>

## Material description

<b>Cold breaking point</b>	< -40°C
<b>Elongation at break</b>	700% at +20°C and 60% relative air humidity
<b>Reaction to fire</b>	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.
<b>Max. tensile strength</b>	> 18 N/mm <sup>2</sup> at +20°C and 60% relative air humidity
<b>Packaging</b>	2.5 kg

## Use

<b>Thinning</b>	Ready to use. Do not thin before applying.
<b>Tinting</b>	Do not tint.
<b>Compatibility</b>	Do not mix with other types of materials.
<b>Application</b>	<p>Stir Floortec Topcon T 829 thoroughly prior to application. We recommend the use of a slow-speed mixer (max. 400 rpm). Avoid inclusion of air during mixing.</p> <p><u>As a sealer for Floortec Decochips 843</u> Apply Floortec Topcon T 829 using a brush or roller, e.g., with the Hydro Paint Roller 1288. First coat the connecting areas, penetrations, etc., then apply the material to the surface in a uniform layer thickness, and smooth.</p> <p><u>As an adhesive layer for Floortec Colorgrains 830</u> Apply Floortec Topcon T 829 in the filling process with the Notched Blade Spatula 1326 and Double-Edge Notched Blade TKB A1.</p> <p><u>As a sealer for Floortec Colorgrains 830</u> Pour Floortec Topcon T 829 onto the surface, strip with the Rubber Squeegee 1298 and roll with Hydro Paint Roller 1288.</p>
<b>Consumption</b>	<p>Approx. 150–250 g/m<sup>2</sup> as a sealer for Floortec Decochips 843.</p> <p>Approx. 300–350 g/m<sup>2</sup> as an adhesive layer for Floortec Colorgrains 830.</p> <p>Approx. 400–350 g/m<sup>2</sup> as a sealer for Floortec Colorgrains 830.</p> <p>Determine exact consumption by means of a test application on the object to be coated.</p>
<b>Application temperature</b>	Do not apply at temperatures below +8°C or above a max. of +30°C air, substrate and material temperature. Do not apply unless the temperature is at least 3°C above the dew point.
<b>Tool cleaning</b>	Immediately after use with PUR Thinner 617. When dry, only mechanical cleaning is possible.

## Drying (+20 °C, 65 % relative humidity)

Rainproof after approx. 6 hours. Can be walked on after approx. 8 hours. Fully stressable after approx. 7 days. 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. 6 months.

## Declaration

**Product code** PU50

Comply with the specifications in the current Safety Data Sheet.

## Coating build-up

### 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/mm<sup>2</sup>. The substrate must be protected against rising damp; and a surface inclination (slope)  $\geq 1.5\%$  must be ensured. Depending on the implementation, the system build-up must be realized with Floortec 2K-Basecon 825 in combination with Floortec Basecon Ad 826, optionally after prior application of Floortec 2K-Sealcon 827 (sealing layer). 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 into the coating. See also VOB Part C, DIN 18363, Section 3.

### Floortec Decochips 843 and Floortec Topcon T 829

Substrates	Intermediate coat	Decochips (optional)	Top coat
Self-leveling filler prepared using Floortec 2K-Basecon 825 and Floortec 2K-Basecon Ad 826	Floortec Topcon F 828	If desired, scatter Floortec Decochips 843 into the intermediate coat while still fresh	Floortec Topcon T 829
Sealing layer prepared using Floortec 2K-Sealcon 827			
Intact 2C PUR and PMMA coatings, exterior, on balconies, loggias, and pergolas			

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

### Floortec Colorgrains 830 and Floortec Topcon T 829 \*)

Substrates	Intermediate coat	Colorgrains	Top coat
Self-leveling filler prepared using Floortec 2K-Basecon 825 and Floortec 2K-Basecon Ad 826 <sup>1)</sup>	Floortec Topcon T 829	Scatter a large quantity of Floortec Colorgrains 830 into the intermediate coat while still fresh	Floortec Topcon T 829
Sealing layer prepared using Floortec 2K-Sealcon 827			

\*) In the system build-up, slip-resistant R 12 or sliding friction coefficient in accordance with DIN 51131 and BGI/GUV-I 8687  $\mu\text{NM} > 0.7$  (fully operational), taking into account the installation instructions in accordance with the test certificate.

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

## Notes

<b>Contiguous surfaces</b>	Only coat contiguous areas with material from the same batch. To achieve an consistent degree of gloss on surfaces, apply the top coat as uniformly as possible.
<b>Protection against moisture</b>	The coating reacts with moisture. Freshly coated surfaces must be protected against moisture. The substrate to be coated must be surface-dry.
<b>Avoid high layer thicknesses</b>	Comply with the consumption data. High layer thicknesses or ponding can result in blister formation, delamination or irregularities in the coating surface
<b>Detrimental changes in appearance</b>	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.
<b>Excluded field of application</b>	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.
<b>Ability to clean slip-resistant surfaces</b>	Slip-resistant surfaces increase safety, but are easily soiled due to the increased roughness and are not as easy to clean as smooth surfaces.
<b>Service life</b>	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.
<b>Further information</b>	Follow the instructions in the data sheets of the products used.

## Remark

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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