

Binder

# Triflex Stone Design R 1K



## Product information

### Applications

Triflex Stone Design R 1K is used as a binder to create the surface variant Triflex Stone Design.

### Properties

1-component, colourless resin with a moisture-curing polyurethane base.

Features:

- Gloss finish
- Weather-resistant
- Flexible
- Wear-resistant
- UV-resistant
- Resistant to discolouration
- Solvent-free
- Temperature-resistant
- Chlorine-resistant
- Particularly low emissions (class A+ according to French regulation on VOC emissions)
- Fulfils fire protection classification B<sub>fl</sub>-s1

### Pack size

Bagged goods in outer box

5.20 kg Triflex Stone Design R 1K (4 x 1.30 kg)

### Colours

Transparent

### Storage

Can be stored unopened for approx. 12 months in a cool, dry place above freezing. Store at temperatures between +5°C and +25°C. Polyurethane components must always be stored in sealed, closed containers due to their sensitivity to moisture. Opened bags should not be processed immediately. Keep container away from direct sunlight when in storage and on the construction site.

### Conditions for use

Triflex Stone Design R 1K can be used at substrate and ambient temperatures of a minimum of +10°C and a maximum of +35°C. The relative humidity must not exceed 80%.

#### Important note:

During the execution and curing times, the substrate and ambient temperature must not fall below +5°C. The Stone Design surface must be protected from rain and condensation during the execution and curing time.



### Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Possible unevenness of the surface must be smoothed out. Ensure that the surface has a minimum gradient of 2% and avoid standing water. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3°C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

### Mixing instructions

Add the resin proportionally to the dry Triflex Stone Design S special aggregate and mix with a mixing machine until all the stones are homogeneously wetted with the resin. Stirring time: at least 3 min. Each mixing process should be the same time; otherwise the final results may differ.

Suitable double mixing machine: e.g. Collomix Xo 55 R or a positive mixer.

### Mixing ratio

Mix 1.30 kg Triflex Stone Design R 1K (1 bag resin) and 25 kg Triflex Stone Design S (1 bag special aggregate).



## Product information

### Instructions for use

The stones mixed with the resin are spread over the surface and compacted with a sword or Venetian trowel. Then the surface is smoothed out with a smoothing trowel. Wet the tool with a little bit of dishwasher water if it should begin to stick.

Once the work is complete, clean the tools with Triflex Cleaner. Cured material can only be removed mechanically.

#### Important note:

No final finish is applied.

### Material consumption

On a smooth, even surface at a layer thickness of approx. 8 mm:

|                           | Type A: marble gravel,<br>grain size 1–4 mm | Type C: granite gravel,<br>grain size 2–4 mm |
|---------------------------|---|--|
| Triflex Stone Design R 1K | 0.80 kg/m <sup>2</sup>                      | 0.80 kg/m <sup>2</sup>                       |
| Triflex Stone Design S    | 14.40 kg/m <sup>2</sup>                     | 14.40 kg/m <sup>2</sup>                      |

### Pot life

Approx. 4 hrs. at +20 °C

### Drying time

|                        |                           |
|------------------------|---------------------------|
| Rainproof after        | approx. 8 hrs. at +20 °C  |
| Can be walked on after | approx. 18 hrs. at +20 °C |
| Resistant after        | approx. 36 hrs. at +20 °C |

### Notes on special hazards

See Safety Data Sheet, section 2

### Safety tips

See Safety Data Sheet, sections 7 and 8

### Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

### General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.