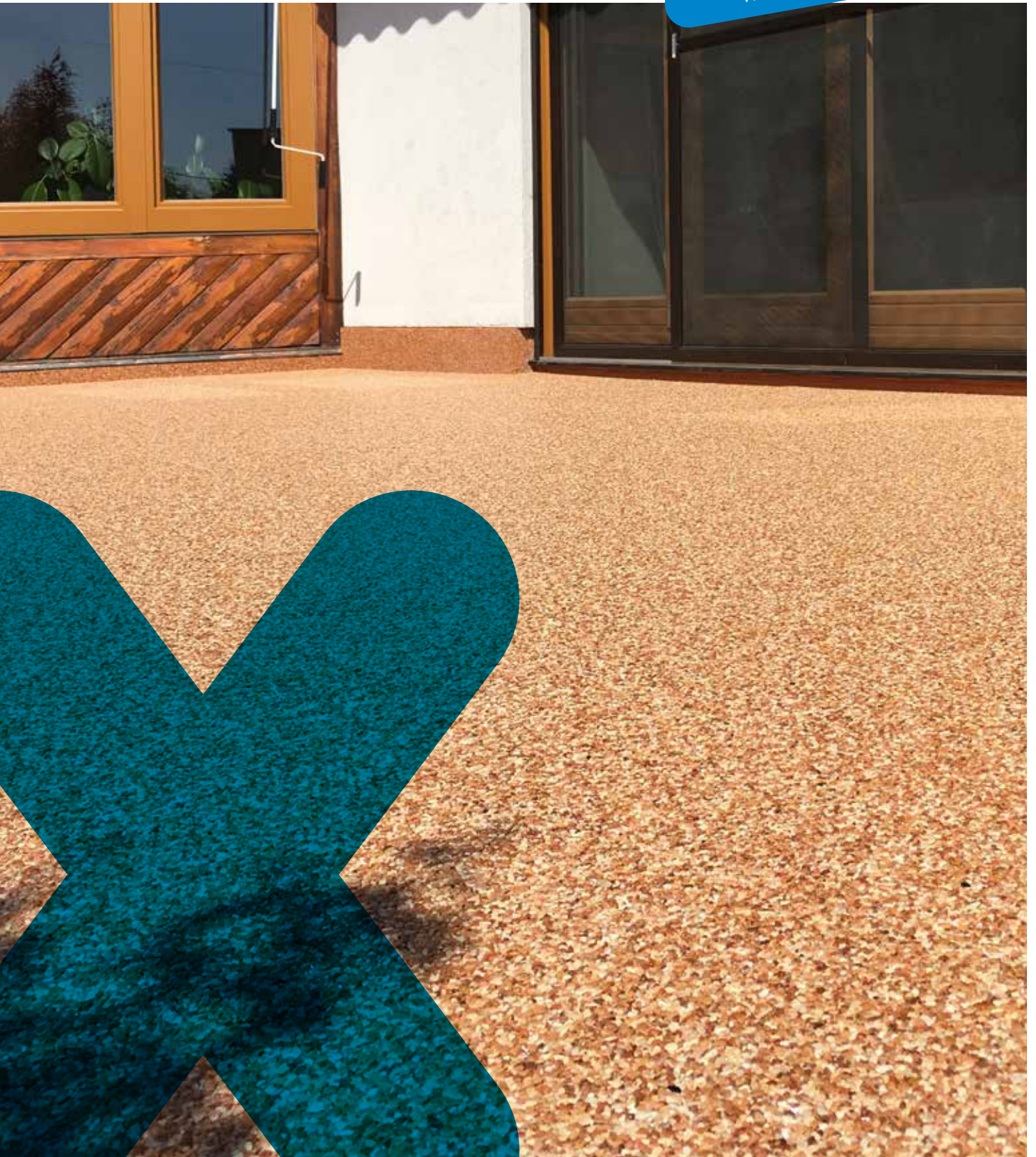


Instructions for use

# Triflex Stone Design

New formula since 2023



# Triflex Stone Design



## General information

### Health and safety:

When working with products containing construction chemicals, always ensure adherence to the following protective measures:

- Do not smoke, eat or drink while working.
- Avoid contact with eyes and skin.
- Keep away from food and beverages.
- Always wear personal protective clothing.
- Always ensure adherence to safety data sheets.

### Important note:

When transporting, storing and working with these products, always ensure adherence to all pertinent safety data sheets and technical codes of practice, the identification on the containers, as well as to the hazard information and safety tips on the containers. If you have any queries, please contact: Environment and Safety Department, Fon +49 571 9339-176

### Storage:

- Keep containers firmly sealed.
- Containers must be stored in a dry, cool (but frost-free) and well ventilated place.
- Protect against heat and direct sunlight.
- Storage stability at least 6 months.
- In winter, store containers at room temperature prior to use where possible.

### Substrate requirements:

Substrate suitability should always be checked on a case-by-case basis. The substrate must be clean, dry and free of cement bloom, dust, oil, grease and other adhesion-reducing dirt. Ensure that the surface has a minimum gradient of 2 %.

### Conditions for use:

- Triflex products can be used within the temperature ranges stipulated on the container label and in the product information.
- Always wear a face mask when using Triflex products containing solvents or monomers in enclosed spaces, or when air limit values are exceeded (see section 8 of safety data sheet). Furthermore, always ensure forced ventilation with a minimum 7-fold air exchange per hour.
- Any moisture penetration (e.g. from the substrate, gravel filler material, air, rain and dew or drops of sweat) must be avoided during processing and curing. It is particularly important to be aware of any condensing dew in the event of temperature fluctuations during curing in the morning and evening.
- Do not use an excessive dose of binder.

### Important note:

Triflex Stone Design S is a natural product. There may be colour variations between individual sacks. The sacks must be checked and, if necessary, mixed with one another before use on the construction site.

### Material consumption:

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

	Type A: marble gravel, grain size 1–4 mm	Type C: granite gravel, 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>

## Units of packaging

### Triflex Stone Design

#### Pack size

4 x 1.30 kg Triflex Stone Design R 1K  
25 kg Triflex Stone Design S  
(Type A: marble gravel, Type C: granite gravel)





# Instructions for use

## Triflex Stone Design



### Instructions for use surface

#### Waterproofing:

Before laying the stone surface, the primed balcony surface is waterproofed with Triflex ProTerra and connections with Triflex ProDetail.

Volume: at least 3.00 kg/m<sup>2</sup>.

After the surface has cured (approx. 1 hour), the preparations for the stone surface can take place.

#### Important note:

Upstands must be completed before the surface is processed (see next page).



#### Mixing 1:

Transfer the Triflex Stone Design S special aggregate in a bucket to another receptacle and add Triflex Stone Design R 1K.

#### Important note:

Do not use plastic buckets when stirring the granite grit. Microparts can detach from the rim of the bucket and be mixed in with the material. During the mixing process make sure that the vessels and tools are clean and dry. They must be free from residue of foreign substances and other construction materials, and must not cause discolouration.

#### Preparation:

Surface borders must always be finished with profiles or strips. These should be bonded in place at certain points with Triflex Cryl Paste; for profiles with drainage openings, bond over the entire surface. When working with profile strips, the side height of the profile must match the grading curve of the Triflex Stone Design (Type A and C = 8 mm). For drainage via the leading edge, the Stone Design Triflex balcony edge finishing profile is inserted into the Triflex Cryl Paste. The drainage openings are sealed from outside with Triflex duct tape or cross spacers during the coating applications. Surfaces larger than 30 m<sup>2</sup> should be divided with a settlement joint.



#### Mixing 2:

Mix the resin and the special aggregate with a suitable double mixing machine (e.g. Collomix Xo 55 R) or a positive mixer until all stones are homogeneously wetted with the resin.

Stirring time at least 3 min.

#### Finish:

Evenly apply Triflex Cryl Finish 205 with a Triflex Finish Roller.

Volume: at least 0.50 kg/m<sup>2</sup>.

The finish should closely match the colour of the Triflex Stone Design. For recommendations see Triflex Stone Design system description.



#### Applying:

When it is ready for use, remove the mixture from the bucket with a trowel or tip the material onto the surface from the bucket. Spread the mixture evenly over the surface. In order to prevent build-up of resin, regularly stir the material when applying. Also, never scrape out the bucket so that it is completely empty, and clean or replace it regularly.

#### Dress:

Dress the fresh finish with flame-dried quartz sand, grain size 0.2–0.6 mm.

Volume: approx. 1.00 kg/m<sup>2</sup>.

Once the finish is cured (approx. 2 h), vacuum off any surplus.



#### Compact:

Compact the mixture well with the sword trowel. Then smooth with a smoothing trowel. Wet any tools that begin to stick during application with a little dishwasher water.

#### Mixing:

Mix the quantities of the dry Triflex Stone Design S – including single-batch deliveries – with each other. When using granite grit, shake the bag well beforehand so that the fine parts are distributed evenly. With marble gravel, separate the dust in the lower part of the bag so that it does not get into the later mixture.



#### Done!

#### Tip:

You can use a spotlight to illuminate just above the floor surface to identify any protruding stones, defective spots or unwanted waves in your shadows. These can then be corrected immediately. After approx. 14 to 28 days, sweep the Stone Design surface to remove loose stones. Clean the surface at least twice a year, e.g. with a high-pressure cleaner without a rotary nozzle.

## Instructions for use upstand

First create upstands with Triflex Thixo SD.  
After approx. 4 to 6 hours drying time, finish the surface with Triflex Stone Design R 1K.

### Preparations:

Mix the quantities of Triflex Stone Design S – including single-batch deliveries – with each other (see point 5 „Instructions for use surface“).



**Pack size**  
1.00 kg Triflex Thixo SD

### Mixing:

For pre-brushing/pre-filling, mix 1.30 kg of Triflex Stone Design R 1K with 0.125 kg of Triflex Thixo SD to create a homogeneous mass.



### Pre-brushing / pre-spackling:

Apply the finished mixture with a brush or spatula to the vertical areas incl. profile flanges.



### Mixing:

For the preparation of the resin-precious aggregate mixture for the upstands mix 1.30 kg of Triflex Stone Design R 1K with 0.125 kg of Triflex Thixo SD (see step 1).  
Pour the finished mixture into 12.50 kg of the dry Triflex Stone Design S.  
Mix the thixotropic resin and the stones with a suitable double mixing machine (e.g. Collomix Xo 55 R) or a positive mixer until all stones are homogeneously wetted with the resin. Stirring time at least 3 min.



### Applying:

Apply the finished mixture wet-on-wet to the prebrushed surface with a smoothing trowel and compact well. Apply pressure when doing this. Only use dishwasher water for smoothing.



### Done!

Alternatively, the vertical surfaces can be completed with mouldings.  
For information refer to the instructions for use for „Upstands with Triflex Stone Design“.

### Important note:

The specified quantities are sufficient for an upstand with a height of 0.15 m and a length of 6 m.

### International

Triflex GmbH & Co. KG  
Karlstrasse 59  
32423 Minden | Germany  
Fon +49 571 38780-708  
international@triflex.com  
www.triflex.com

