

Triflex

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Instructions for use

Effectively prevent pin holes with Triflex Ceryl Primer 280





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Triflex Cryl Primer 280

General information

Bubbling in coatings:

When applying liquid coatings on mineral materials, above all concrete, there is a risk of bubbling and pin holes immediately after application. These can burst open.

The following images show primed concrete substrates. Directly after the first application a number of pin holes formed. These can be seen in the magnified image. Different physical processes which can lead to faults in the system structure are the cause. If you are familiar with them, you can prevent the formation of pin holes.



Causes of pin holes:

Capillaries of different sizes are the cause of pin holes. They are either already open or are opened by a mechanical pretreatment of the substrate. The air enclosed there causes the formation of pores of different sizes in the substrate, which are then sealed by the coating. A physical process causes them to heat up and attempt to penetrate to the outside. The cause is thus the increase in volume of individual pore openings which heat up due to the reaction temperature. Given that the resistance of the non-cured coating substances is generally not sufficient in order to withstand the generated pressure, positive pressure is created which is then relieved by bubbling, i.e. pin holes.

Given that high substrate temperatures increase the risk of bubbling, it is recommendable to carry out application as per SIVV regulations whilst temperatures are falling. This way, these physical processes are avoided.



Triflex Cryl Primer 280:

PMMA resin based Triflex Cryl Primer 280 can be used to successfully prevent pin holes. The product is used as a primer on absorbent substrates, for example concrete, in order to prevent pin holes. The special formulation of the resin is specially designed for this application. Thanks to the low viscosity, the resin penetrates into the substrate and thus prevents the formation of pin holes. Should bubbling occur nonetheless, the white pigmentation of the product not only increases visibility, but also the opportunity of reacting to them as quickly and effectively as possible.

Triflex Cryl Primer 280 is a dual-component, low-viscosity product which is free from solvents. In the case of pin holes, it is applied in two layers in accordance with the product information.



Depending on the local conditions there are also alternative options which can be used to treat pin holes:

- 2 layers of Triflex Cryl Primer 287
- 2 layers of Triflex Pox R 100 + dressing with quartz sand 0.2–0.6 mm
- Scratch coat (10 kg Triflex Cryl Primer 276 + 5 kg / 10 kg quartz sand 0.2–0.6 mm)
- Scratch coat (10 kg Triflex ProFloor + 10 kg quartz sand 0.2–0.6 mm)
- Scratch coat (8 kg Triflex Pox R 100 + 8 kg quartz sand 0.2–0.6 mm)

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Mixing:

Fill and stir the required quantity of Triflex Cryl Primer 280 to form a white, homogeneous mass. Mixing is usually performed mechanically.

Important note:

Stir the Triflex Cryl Primer 280 again every 10 min. as the pigments can settle in the resin.



Add catalyst:

Mix in the corresponding quantity of catalyst free of clumping. Stirring time 1 to 2 max. min. Then transfer to another receptacle and mix again. See product label for mixing ratio.



Apply the 1st layer:

Evenly apply Triflex Cryl Primer 280 with a Triflex universal roller. Volume: Min. 0.40 kg/m² on a smooth, even surface.



Apply the 2nd layer:

If there are pin holes in the first layer, a second layer is applied in order to close it. Apply Triflex Cryl Primer 280 again evenly with a universal roller once the previous layer has dried and is no longer tacky. Each further layer helps with the prevention of pin holes as each additional layer seals a little more.

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