

Repairing Triflex Pox Mortar



Product information

Applications

Triflex Pox Mortar is used:

- To apply thin mortar layers
- To apply thick mortar layers
- To apply repair mortar

Properties

Triflex Pox Mortar is a mixture of Triflex Pox R 100 or alternatively Triflex Pox Primer 116+ and flame-dried quartz sand.

Pack size

Combination drums

5.53 kg Triflex Pox R 100 base resin
2.47 kg Triflex Pox R 100 Hardener
8.00 kg

Drum

17.10 kg Triflex Pox Primer 116 + base resin
7.90 kg Triflex Pox Primer 116+ hardener
25.00 kg

Paper sack

25.00 kg Quartz powder up to 0.1 mm
25.00 kg Quartz sand 0.1-0.3 mm
25.00 kg Quartz sand 0.2-0.6 mm
25.00 kg Quartz sand 0.7-1.2 mm
25.00 kg Quartz sand 1.0-2.0 mm
25.00 kg Quartz gravel 2.0-3.0 mm

Colours

Triflex Pox R 100: Transparent
Triflex Pox Primer 116+: Transparent

Storage

Is shelf stable for approx. 12 months if stored unopened and unmixed in a cool, dry place above freezing. Keep away from direct sunlight and temperatures below the permissible range in storage and on the construction site.



Conditions for use

Triflex Pox Mortar can be applied at substrate and ambient temperatures between +10 °C and +30 °C. The relative humidity must not exceed 75 %.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

The coating of asphalt is not possible.

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

The mixing ratio corresponds to the pack size. Thoroughly mix the base resin before adding the corresponding quantity of hardener. Mix using a slow-running mixing machine. Stirring time at least 2 min.

Transfer to another receptacle and mix again.

The prepared resin mixture and the requisite amount of quartz components are thoroughly mixed with a positive mixer or a rotary mixer. The mortar is applied to the still-wet primer.

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Mixing ratio

Surface levelling

Mixing ratio	Pox R 100	Quartz sand 1-2 mm	Quartz sand 0.7-1.2 mm	Quartz sand 0.2-0.6 mm	Quartz powder up to 0.1 mm	Entire mixture
1 : 5	8.00 kg	16.00 kg	12.00 kg	6.00 kg	6.00 kg	48.00 kg
1 : 6	8.00 kg	19.20 kg	14.40 kg	8.40 kg	6.00 kg	56.00 kg
1 : 7	8.00 kg	22.40 kg	16.80 kg	10.80 kg	6.00 kg	64.00 kg
1 : 8	8.00 kg	25.60 kg	19.20 kg	13.20 kg	6.00 kg	72.00 kg
1 : 9	8.00 kg	28.80 kg	21.60 kg	15.60 kg	6.00 kg	80.00 kg
1 : 10	8.00 kg	32.00 kg	24.00 kg	18.00 kg	6.00 kg	88.00 kg

Scratch coat

Mixing ratio	Roughness depth	Pox R 100 / Pox Primer 116+	Quartz sand 0.1-0.3 mm*	Quartz sand 0.2-0.6 mm*
1 : 1 to 1 : 1.5	0.5 to 1.0 mm	25.00 kg	25.00 kg	–
1 : 1 to 1 : 1.5	1.0 to 10 mm	25.00 kg	–	25.00 kg

*) The user must check the exact amount on a case-by-case basis.
The quartz sand grading curve must be adjusted on-site, if necessary

Coarse fillings

(e.g. damaged spots, joint faces etc.)

Quartz gravel 2.0-3.0 mm	40 parts by weight
Quartz sand 0.2-0.6 mm	30 parts by weight
Quartz powder up to 0.1 mm	20 parts by weight
Triflex Pox R 100 or Triflex Pox Primer 116+	90 parts by weight
	10 parts by weight
	100 parts by weight

Material consumption

Min. 2.20 kg/m² per mm thickness on a smooth even surface

Pot life

Approx. 20 min. at +20 °C

Drying time

Rainproof after:	approx. 8 hrs. at +20 °C
Can be walked on/recoated after:	approx. 12 hrs. at +20 °C
Can be recoated up to:	approx. 24 hrs. at +20 °C
Is mechanically resistant after:	approx. 7 days at +20 °C
Resistant to chemicals after:	approx. 28 days 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.