

Plastifloor® - Crack Sealer 114 (GB)

Quick-curing injection resin of low viscosity for concrete and cement screeds

PLASTI CHEMIE
Produktionsgesellschaft mbH

Application: **Crack Sealer 114** works as a fortifier of extremely porous substrates. It closes cracks in screeds, concrete constructions and it is applied as a filler resin for hollow screeds. The resin can be processed manually. Venting until saturation serves the stabilization of the underground. After the treatment, the ground has to be additionally primed with Plastifloor® 112!

Properties: **Crack Sealer 114** is a solvent-free reactive methacrylate resin of low viscosity, which cures quickly, even at low temperatures.

Features:

Delivery form:	slightly cloudy liquid
Flow time (DIN cup 4mm)	10-16 sec (20°C)
Density at 20 °C	DIN 51757 approx. 1,00 g/cm ³
Flashpoint	DIN 51755 +10 °C
Shelflife:	dark at < 20 °C minimum 6 months

Suggested formulations

PF 114

Primer:

Crack Sealer 114 must be processed with hardener 50 W. The quantity of hardener must be adjusted to the according temperature of the property. At temperatures below +5°C, it is possible to add Accelerator 101 (approx. 0,5% at 0°C up to 3% at -30°C), while maintaining the 6 vol.-% hardener powder.

After the mixing in of the hardener powder, Plastifloor® 114 is evenly distributed with a roller or a squeegee onto the substrate (venting). Strongly absorbing substrates have to be vented moistly prior to curing until the pores close.

Consumption: approx. 500-1000 g/m² per work step and absorptivity of the substrate.

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Mix ratio: 8l Crack Sealer 114
0,24l Hardener 50W (at 20°C ground temperature)

Pot- and curing time depending on the temperature:

Proceed with the further composition of layers of Plastifloor® coatings only after the entire curing of the preceding layers

Temperature(°C) Hardener(Vol.-%)* pot life(min.) curing time(min.)

0 - 5	6	approx. 11	approx. 30
5 -10	5	approx. 8	approx. 30
10 -15	4	approx. 8	approx. 30
15 -20	3	approx. 7	approx. 30
20 -25	2	approx. 8	approx. 25
25 -30	1	approx. 6,5	approx. 20

*Quantity of hardener is calculated to the quantity of pure resin (Hardener 50W)

Attention:

Hardener quantities below 1 Vol. % could cause disturbances in the curing process!

Characteristics: Elongation DIN 53455 approx. 1,5%
Shore-D DIN 53505 approx. 70-80 Units

Storage: Methacrylate resins are subject to the regulations for flammable substances. Plastifloor resins must be stored, cool, kept away from direct sun, if possible at temperatures between 15 and 20°C. During storage, paraffin particles can precipitate. It is important to stir up the drums prior to processing. Please also consider our indications on the MSDS.

Data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.