

Quick-curing resin of low viscosity for concrete and cement screed crack repairs

Application Crack Sealer 114 S 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 substrate. After the treatment, the substrate has to be additionally primed with Plastifloor® 112.

Characteristics: Crack Sealer 114 S is a 100% VOC free reactive methacrylate resin of low viscosity, which cures quickly, even at low temperatures. The water absorption is between 0,7-0,8%/24 h.

Characteristic data:

Delivery form	slightly cloudy liquid
Flow time	10-16 sec (DIN cup, 0,1574inch)
Curing time	10-20min (20°C)
Shelf life	In the original container, dark at < 65°F minimum 6 months
Bundle	180 kg drum 25 kg, 10 kg pail

Processing Notes:

Processing: Crack Sealer 114 may be processed with hardener 50 W. The quantity of hardener must be adjusted to the according temperature of the substrate. At temperatures below +41°F, it is necessary to add Accelerator 101 (approx. 0.5% at 32°F up to 3% at 22°F), while maintaining the 6 vol.-% hardener powder 50 W.

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.

Suggested formulation:

1 gal primer 114 S
4 oz hardener 50 W (at 68°F substrate temperature)

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Material

consumption: 70 - 100 ft²/gal per work step and absorptivity of the substrate.

Pot life and curing times depending on temperature:

Further coating layers with Plastifloor® must only be applied after the previous layers have completely cured.

Temperatur [°F]**	Hardener [Vol%]	Pot life [min]	Curing time [min]
32	6	ca. 11	ca. 30
41	5	ca. 8	ca. 30
50	4	ca. 8	ca. 30
59	3	ca. 7	ca. 30
68	2	ca. 7	ca. 25
77	1	ca. 7	ca. 20

*) Hardener quantity calculated according to Plastifloor® 112

***) temperature refers to resin, surface and air temperature

Attention: Hardener quantities below 1 Vol. % may cause polymerisation failures!

Storage: The handling-regulations for highly flammable materials apply to methacrylate – resins. Plastifloor® resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

Industrial safety: Ensure sufficient ventilation during work. On processing, pay attention to the directives in the hazardous substances ordinance and to the indications of the Federal States Committee for industrial safety and safety engineering (LASI) as well as to our safety data sheets.

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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.