

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

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!

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

Characteristic data:

Delivery form	slightly cloudy liquid	
Flowtime	10 - 16 sec	(DIN cup 0,1574 inch)
Density	8,3454 lb/gal	(68°F)
Flashpoint	50°F	
Shore D	70 - 80	
Elongation	1,5 %	
Shelf life	In the original container, dark at < 65°F minimum 6 months	

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 property. At temperatures below +41°F, it is possible to add Accelerator 101 (approx. 0.5% at 32°F up to 3% at 22°F), 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 mostly prior to curing until the pores close.

Suggested formulation:

2.113 gal primer 112 N
8.12 oz hardener 50 W (at 68°F ground temperature)

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Material

consumption: 0.01227 – 0.02454 gal/ft² per Work step and absorptivity of the underground.

Pot life and curing

times depending

on temperature:

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

Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
32 - 41	6	~ 11	~ 30
41 - 50	5	~ 8	~ 30
50 - 59	4	~ 8	~ 30
59 - 68	3	~ 7	~ 30
68 - 77	2	~ 8	~ 25
77 - 86	1	~ 6.5	~ 20

* Hardener quantity calculated on pure resin (Hardener 50 W)

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.

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