

Plastifloor® Crack Sealer 114 (USA)

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

PLASTI CHEMIE
International GmbH

Application

Crack Sealer 114 works as a fortifier for extremely porous substrates. It closes cracks in screeds, concrete constructions and it is used as a filler resin for hollow screeds. The resin can be applied by hand. 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, low viscosity, reactive methacrylate resin that cures quickly even at low temperatures.

Characteristics of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 73 °F	DIN 53 015	1-20 mPa · s
Flow time at 68°F, 4 mm cup	DIN 53 211	10-16 sec
Density D ⁶⁸	DIN 51 757	0.94 g/cm ³
Pot life at 68°F		approx. 7 min
Curing		approx. 20 min at 68 °F
Form of delivery		slightly, cloudy, liquid
Shelf-life		dark at <68°F 6 months maximum
Bundle		180 kg drums 25 kg, 10 kg pails

Characteristics of the resin in the hardened state:

Property	Measuring method	Approx. value
Strain at break	EN ISO 527	~3%
Tensile strength	EN ISO 527	~25 MPa
E-modul	EN ISO 527	987 MPa
Water absorption, 4 days	DIN 53 495	0 mg
Shore-D	DIN 53 505	70-90 Units

Processing Notes:

Processing:

Crack Sealer 114 can be used with Hardener 50 W. The amount of hardener must be adjusted to the temperature of the substrate. For temperatures below +32°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.-% of Hardener powder 50 W.

Plastifloor® Crack Sealer 114 (USA)

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

PLASTI CHEMIE
International GmbH

After the mixing in of the hardener powder, Plastifloor® 114 is evenly distributed on the substrate with a roller or a squeegee (ventilation). Highly absorbent substrates must be vented moistly prior to curing until the pores close.

Suggested formulation:

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

Material

consumption/mm: 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%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 32.0	6.0	4.0	approx. 11	approx. 30
+ 41.0	5.0	3.0	approx. 8	approx. 30
+ 50.0	4.0	2.6	approx. 8	approx. 30
+ 59.0	3.0	2.0	approx. 7	approx. 30
+ 68.0	2.0	1.3	approx. 7	approx. 20
+ 77.0	1.0	0.6	approx. 7	approx. 20

- Hardener quantity calculated according to Plastifloor® 112
- Temperature refers to resin, surface and air temperature

Attention: Hardener levels below 1 vol. % may cause polymerization failure!

Storage: The handling regulations for highly flammable materials apply to methacrylate – resins. Plastifloor® resins should be stored cool, away from direct sunlight and preferably at temperatures between 59 - 68 °F (15 – 20 °C). During storage, paraffin particles and fillers may precipitate. Therefore, containers must be well agitated before use. Please refer to our Safety Data Sheets.

Plastifloor® Crack Sealer 114 (USA)

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

PLASTI CHEMIE
International GmbH

Industrial safety:

Provide adequate ventilation during work. During processing, observe the regulations of the Hazardous Substances Ordinance, the instructions of the Federal State Committee for Occupational Safety and Safety Technology (LASI), and our safety data sheets.

VbF: A I
GISCODE: RMA 10
HS-Code: 3208 2010

CE	
Plasti Chemie International GmbH • Falgarding 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Plastifloor® 114	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E ₁
Wear resistance (Abrasion Resistance):	AR 0.5
Impact resistance:	IR 12
Tensile bond strength:	B 2.0

CE-labelling

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.

25.06.2026

3 / 3