

Application: Plastifloor® 116 serves as an adhesive primer for the application of Plastifloor® coatings, especially on filled asphalt/bitumen substrates.

Characteristics: Plastifloor® 116 is a reactive methacrylate resin that also cures quickly even at low temperatures.

Characteristics of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 73 °F	DIN 53 015	180-240 mPa · s
Flow time at 68°F, 4 mm cup	DIN 53 211	30-40 sec
Density D ⁶⁸	DIN 51 757	0.97 g/cm ³
Pot life at 68 °F	approx. 5 min	
Curing	approx. 12 min at 68°F and 2% hardener	
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	~9.8 MPa
E-modul	EN ISO 527	300 MPa
Water absorption, 4 days	DIN 53 495	0 mg
Shore-D	DIN 53 505	65-80 Units

Initiator/Hardener: Hardening powder 50W (BPO), depending on temperature

Processing Notes:

Processing: The surface must be dry (max 4% residual humidity), firm, solid and free of dust, grease and oil.

Plastifloor® 116 can be processed with Plastifloor® Hardener 50 W. The quantity hardener must be adjusted to the respective object temperature (see table). At temperatures below + 32°F (0°C), accelerator B101 can additionally be added must be added ~ 0.5% at 32 °F (0°C) up to 3 % at - 22 °F (-30°C) with retention of 6 % hardener powder.

After mixing in the hardener powder, distribute Plastifloor® 116 evenly and thinly with a roller or rubber squeegee. Apply at a rate of between 140 ft²/gal (300 gr/m²) to 80 ft²/gal (500 gr/m²) depending on the density and porosity of the substrate. In all cases, continue to apply the primer until saturation occurs to obtain a continuous resin film. On extremely porous, absorbent substrates, apply two coats of primer to obtain a thin but continuous film that bonds the broadcast material. It is recommended to slightly broadcast the primer with quartz sand (size 15 - 25 mesh). If only thin sealers are to be applied, we recommend using 20 – 40 mesh quartz sand. This step will ensure a strong bond between the primer and the subsequent coating.

Mix Ratio:

2 gal primer
7,7 oz hardener 50 W at 68°F ground temperature
50 W at 68°F ground temperature

Amount of Hardener depending on temperature:

Further coats of Plastifloor® should be applied only after the previous coat has completely cured.

Temperatur [°F]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 32.0	6.0	4.0	approx. 5	approx. 25
+ 41.0	5.0	3.3	approx. 5	approx. 20
+ 50.0	4.0	2.6	approx. 5	approx. 15
+ 59.0	3.0	2.0	approx. 5	approx. 12
+ 68.0	3.0	2.0	approx. 5	approx. 12
+ 77.0	3.0	2.0	approx. 5	approx. 8

- Hardener quantity calculated according to Plastifloor® 116
- Temperature refers to resin, surface and air temperature

Plastifloor® 116 (USA)

Fast-curing 2-component- adhesive primer
for use on asphalt substrates

PLASTI CHEMIE
International GmbH

Attention: Hardener levels below 1 % w/w 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.

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® 116	
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

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