

# Plastifloor® 116 (GB)

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

**PLASTI CHEMIE**  
**Produktionsgesellschaft mbH**

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

**Characteristics:** Plastifloor® 116 is a reactive methacrylate resin that also cures fast on low temperatures.

**Delivery form** 180 kg drums  
25 kg, 10 kg pails

**Characteristic data:**

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Viscosity, 25°C	180-240 mPa*s	ISO 2555
Density, 25°C	approx. 1 g/ml	ISO 2811
Pot life / processing time at 20°C	approx. 10 min	
Curing time at 20°C	approx. 30 min.	
Flashpoint	11.5 °C	ISO 1516
Shelf life	6 months at < 20 °C in originally closed packaging	

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**Processing Notes:**

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

Plastifloor® 116 can be processed with Plastifloor® Hardener 50 W. Hardener quantity must be adjusted to the respective object temperature (see table). At temperatures below +5°C, accelerator B101 can additionally be added must be added ~ 0.5% at 0°C up to 3 % at -30°C with retention of 6 wt.% hardener powder.

After the hardener has been stirred in, the primer is poured onto the substrate and distributed with a shortpile paint roller. A notched rubber squeegee can be used for fast distribution of large quantities. Apply at a rate of between 0,3 kg/m<sup>2</sup> to 0,6 kg/m<sup>2</sup> depending on density and porosity of the substrate. In any case, continue applying primer until saturation occurs to obtain a continuous resin film. On extremely porous absorbent substrates, prime twice to achieve a thin but closed film that bonds the broadcasting material. We recommend slightly broadcasting the primer with quartz sand (size (particle size 0.7 - 1.2 mm). If only thin sealers are to be applied, we recommend using quartz sand in size 0.4 – 0.8 mm. This work step ensures an absolutely solid bond between primer and the following coating.

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## Mix Ratio:

8 kg primer Plastifloor® 116  
0,16 kg – 0,2 kg (2 - 2,5 wt.%) hardener 50 W at 20 °C ground  
temperature

## Amount of Hardener depending on temperature:

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

Temperature [°C]	Hardener [% by weight of resin]
0 - 5	6
5 - 10	5
10 - 15	4
15 - 20	3
20 - 25	2
25 - 30	1

## **Note:**

Weight to Volumetric conversion of Hardener  
1 cm<sup>3</sup> of Plastifloor® Hardener 50 W weighs 0.65 g  
1 g of Plastifloor® Hardener 50 W = 1.54 cm<sup>3</sup>

## **Attention:**

Hardener quantities below 1 % by weight 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  
15 – 20 °C. 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.

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.