

# Acrydur™ 116 (GB)

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

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

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

**Characteristic data:**

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Form of delivery	slightly cloudy liquid
Flow time	30-40 sec. (20°C), DIN cup 4mm
Curing	ca.30 min at 20°C and 2% hardener
Shelf life	dark at < 20 °C 6 months maximum
Bundle	180kg drums 25 kg, 10 kg pails

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**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, fat and oil.

Acrydur™ 116 can be processed with Acrydur™ 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.

Mix Ratio:

8 kg primer Acrydur™ 116

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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 Acrydur™ must only be applied after the previous layers have completely cured.

Temperatur [°C]**	Hardener [Vol%]	Pot life [min]	Curing time [min]
+0	6	ca. 5	ca. 25
+5	5	ca. 5	ca. 20
+10	4	ca. 5	ca. 15
+15	3	ca. 5	ca. 12
+20	3	ca. 5	ca. 12
+25	3	ca. 5	ca. 8

\* ) Hardener quantity calculated according to Acrydur™ 116

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

**Note:**

Weight to Volumetric conversion of Hardener  
1 cm<sup>3</sup> of Acrydur™ Hardener 50 W weighs 0.65 g  
1 g of Acrydur™ 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. Acrydur™ 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.

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## 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.

**VbF:** A I  
**GISCODE:** RMA 10  
**Taxnumber:** 3208 2010

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.

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