

Acrydur™ 116 (USA)

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



Plastifloor-527-US-0
6-07-2022.docx

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:

Delivery form	slightly cloudy liquid
Flow time	60-70 sec. (20°C), DIN cup 0,1574 inch 68°F
Curing	ca.30 min at 68°F and 2% hardener
Shelf life	In the original container, at < 68°F maximum 6 months
Bundle	180 kg drum 25 kg, 10 kg pail

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 + 41°F (+5°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, disperse Acrydur™ 116 equally 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 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

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achieve a thin but closed film that bonds the broadcasting material. We recommend slightly broadcasting the primer with quartz sand (size 15 - 25 mesh). If only thin sealers are to be applied, we recommend using quartz sand in size 20 - 40mesh. This work step ensures an absolutely solid bond between primer and the following coating.

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

Material consumption: 140 ft²/gal (300 gr/m²) - 70 ft²/gal (600 gr/m²) per Work step

Amount of Hardener depending on temperature: Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

Temperatur [°F]**	Hardener [Vol%]	Pot life [min]	Curing time [min]
+32	6	ca. 5	ca. 25
+41	5	ca. 5	ca. 20
+50	4	ca. 5	ca. 15
+59	3	ca. 5	ca. 12
+68	3	ca. 5	ca. 12
+77	3	ca. 5	ca. 8

*) Hardener quantity calculated according to Acrydur™ 116

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

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 59 - 68 °F (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.

Industrial safety:

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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

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