

Special adhesive primer
for use on damp or new concrete substrates

Application Acrydur™ 118 is used as a special prime coat for damp or new concrete substrates.

Characteristics: Acrydur™ 118 is a low viscosity, 2 component reactive methacrylate resin that also cures fast at low temperatures.

Improved adhesion to damp concrete and cementitious based substrates

Characteristic data:

Form of delivery	liquid white
Flow time	30-40 sec (68°F), DIN-cup, 0,1574mm
Curing	ca. 20min at 68°F
Shelf-life	6 months at <68°F in originally closed packaging
Bundle	180 kg drums 25 kg, 10 kg pails

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

Processing Notes:

Processing: Acrydur™ 118 is suitable for damp concrete and cementitious substrates. There must not be any visible water on the surface. The surface must be firm, solid and free of dust, fat and oil.

Acrydur™ 118 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™ 118 equally and thinly with a roller or rubber squeegee. Apply at a rate of between 140 ft²/gal (300 gr/m²) to 70 ft²/gal (600 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 achieve a thin but closed film that bonds the broadcasting material.

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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 - 40 mesh. This work step ensures an absolutely solid bond between primer and the following coating.

Suggested
formulation:

2 gal primer
5,1 – 6,5 oz (2 - 2,5 Vol.-%) 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. 15	ca. 40
+41	5	ca. 10	ca. 35
+50	4	ca. 10	ca. 30
+59	3	ca. 10	ca. 30
+68	2	ca. 8	ca. 20
+77	1	ca. 5	ca. 20

*)

Hardener quantity calculated according to Acrydur™ 118

**) 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.

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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

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