

Acrydur™ Accelerator 440 (GB)

Low-viscous activator for the application as Accelerator in MMA resins and binder for Polymer Concrete

Application: Thanks to its low viscosity, **Acrydur™ 440** is suitable as an Accelerator for MMA coating resins applied at low soil temperatures.

Characteristics: Accelerator Acrydur™ **440** may be used for the production of low-viscous coating compounds made from **Acrydur™**332, 418 and 510 in combination with mineral filling material and coloured pigments. The addition of Accelerator 440 shortens the curing time and thus demonstrates a lower viscosity of the coating compound, which finally results in a good distribution at low soil temperatures. Acrydur™ Accelerator 440 can be used as a binder for Polymer concrete together with Hardener 10 PA.

Features:

Form of delivery	slightly cloudy liquid
Flow time (DIN cup 4mm)	10-16 sec (20°C)
Curing	10 – 20 min at 20°C and 2% hardener
Density at 20 °C	DIN 51757 ~ 1.00 g/cm ³
Flashpoint	DIN 51755 +10 °C
Shelf life, dark at < 20 °C	6 months maximum

Suggested formulation for Acrydur™

418 resin: Acrydur™ 440 is being used together with the coating compound directly on site.

ca.- indications:

Coating: Smooth-troweled

20,0 weight parts Acrydur™ 418
2,0 weight parts Acrydur™ Accelerator 440
60,0 weight parts colored sand or quartz sand 0,7 – 1,2 mm
18,0 weight parts colored sand or quartz sand 0,1 – 0,4 mm

Attention! The portion of resin can vary depending on each application. We thus recommend to test the portion of the resin self-dependently!

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Mix Acrydur™ 440 and the coating resin Acrydur™ 418 for ca. 1 minute in a suitable vessel. Add 1-3% Hardener Powder BPO 50%. Add dry filling material to the prepared resin compound and homogenize for 2 minutes. Apply and smooth with a squeegee and a smoothing trowel on the underground primed with Acrydur™ 112.

Pot-and curing times depending on

the temperature: Temperature(°C) Hardener(weight-%)* pot-life(min.) curing time(min.)

+ 5	4,0	ca. 10	ca. 30
+ 10	3,0	ca. 15	ca. 25
+ 20	2,0	ca. 7	ca. 20
+ 30	1,5	ca. 4	ca. 18

*(Hardener quantity is calculated on the net quantity of the **resin component!**)

Hints: Continue processing only after entire curing of the previous layer!

Storage: Methacrylate resins are subject to the handling regulations of highly flammable materials. Acrydur™ resins have to be stored cool, if possible at temperatures between 15 – 20° C. Keep away from direct insolation. During storage paraffin particles can deposit. Material has to be stirred up well before use. Please note the advice of our safety datasheet.

Processing: While processing MMA resins, mind the safety hints of the dangerous goods regulations!

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.