Acrydur™ adhesive agent (GB)

Additive for Acrydur™ coatings

PLASTI CHEMIE
Produktionsgesellschaft mbH

Uses:

In combination with Acrydur™ coating resins, the adhesive agent permits a primer-free coating on hot galvanized, fire-zinced and bright metal surfaces as well as an adhesive primer for ceramic tiles.

Properties:

The Acrydur™ Adhesive Agent improves the adhesion on metal and ceramic substrates. Due to the corrosive properties, the adhesive agent should be stored in the original packaging and only be added to the Acrydur™ resins immediately prior to application. Acrydur™ resin mixed with adhesive agent is not storage-stable!

Characteristic data:

Condition:	liquid, strongly acidic
Density at 20°C:	1,21 g/cm³
Flash point:	+ 10°C
Storage	dark at < 20°C: at least 6 months

Storage only in glass- or polyethylene bottles!

formulation:

0,2 - 0,3 % by weight on pure Acrydur™ resin

standard formulation:

1. Coating on iron sheet metal (defatted) ca. 1-2mm

100,0 p.b.w.	Acrydur™ 418
0,2 p.b.w.	Adhesive agent
3,0 p.b.w.	Hardener powder (BPO 50%)

Broadcast with quartz sand (0,5 - 1,0 mm)

Pot life (20 °C)	approx. 20 min.
Curing time (20 °C)	approx. 60 min.
Adhesion to Steel (EN ISO 4624)	> 5.0 MPa

An equally good adhesion is also obtained on other metals like aluminum, copper and zinced iron.

Attention: At layer thickness < 1mm adhesive disturbances.

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2. Coating of ceramic tiles, primed with the following formula

100,0 p.b.w.	Acrydur™ 112
0,2 p.b.w.	Adhesive agent
4,0 p.b.w.	Hardener powder 50 W

Pot life (20°C)	approx. 10 min.
Curing time (20 °C)	approx. 35 min.

oder

100,0 p.b.w.	Acrydur™ 112
0,5 p.b.w.	Adhesive agent
0,3 p.b.w.	Accelerator B101
4,0 p.b.w.	Hardener powder 50 W

Pot life (20°C)	approx. 10 min.
Curing time (20 °C)	approx. 40 min.

After this layer is cured an optional top layer of Acrydur™ 332 or Acrydur™ 418 can be installed.

Remarks: Adding of adhesive agent effects a retardation of hardening within the Acrydur™ resins and a heavier yellowing of the products. Therefore, we recommend to add approximately 0,2 till 0,3 % accelerator 101 additionally and increase the proportion of hardener up to 3 till 4 %, as well, when putting in higher quantities of adhesive agent (> 0,5 %) or at temperatures below 20 °C.

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