Acrydur® Additive 113 (GB)

Additive for Acrydur® coatings

PLASTI CHEMIE International GmbH

Uses:

In combination with Acrydur® coating resins, the adhesive agent allows a primerless coating on hot galvanized, fire-zinc 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 its corrosive properties, the adhesive agent should be stored in its original packaging and added to the Acrydur® resins immediately before application. Acrydur® resin mixed with adhesive agent is not storage stable!

Characteristic data:

Property	Approx. value
Flash point	+ 10 °C
Density D^{20}	1.21 g/cm³
Form of delivery	liquid, strongly acidic
Bundle	canister
Shelf-life	dark at < 20 °C, 6 months minimum
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. 1-2 mm	
100,0 p.b.w.	Acrydur® 418
0,2 p.b.w.	Additive 113
3,0 p.b.w.	Hardener 50 W
Broadcast with quartz sand (0.6 - 1.2 mm)	
Pot life (20 °C)	approx. 20 min.
Curing time (20 °C)	approx. 60 min.

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.	Additive 113
4,0 p.b.w.	Hardener 50 W
Pot life (20°C)	approx. 10 min.
Curing time (20 °C)	approx. 35 min.
or	
100,0 p.b.w.	Acrydur® 112
0,5 p.b.w.	Additive 113
0,3 p.b.w.	Accelerator B 101
4,0 p.b.w.	Hardener 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® 419 can be installed.

Remarks:

The addition of adhesive agent causes a delay in the hardening of the Acrydur® resins and a stronger yellowing of the products. Therefore we recommend to add approx. 0.2 till 0.3 % Acrydur Accelerator B 101 additionally and to increase the amount of hardener to 3 to 4 %, when using in higher amounts of adhesive agent (> 0,5 %) or at temperatures below 20 °C.

Industrial safety:

Provide adequate ventilation during work. During processing, observe the regulations of the Hazardous Substances Ordinance, the instructions of the Federal State Committee for Occupational Safety and Safety Technology (LASI), and our safety data sheets.

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VbF: A I

GISCODE: RMA 10

HS-Code: 3208 2010

CE-labelling

CE
Plasti Chemie Produktionsgesellschaft mbH • Falgardring 1 • 08223 Falkenstein • Germany
EN 13813, SR-B2, 0-AR0, 5-IR12
Acrydur® Additive 113
Synthetic resins for internal uses (Application in accordance with the newest technical information)

Reaction to fire:	E_{fl}
Wear resistance (Abrasion Resistance):	AR 0.5
Impact resistance:	IR 12
Tensile bond strength:	B 2.0

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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