Acrydur® 412 (GB)

Elasticized Methacrylate
Prefilled resin for broadcast coatings

Application: Acrydur® 412 is in particular suitable for the production of 2.0 – 4.0 mm broadcasting coatings.

Characteristics: Acrydur® 412 coatings have excellent mechanical strength and high chemical resistance, as well as resistance to UV ageing and saponification.

Characteristics of the resin as delivered:

Property	Measuring method	Approx. value
Density at 20°C	DIN 51757	1.2 g/cm^3
Curing	ca. 30 min at 20°C	
Pot life at 20°C	ca. 10 min	
Shelf-life	dark at < 20 °C, 1 month maximum	
Form of delivery	slightly cloudy liquid	
Bundle	25 kg, 10 kg pails	

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

Formulation coating 2-4 mm:

		Consumption/mm
55.0 ppW	Acrydur® 412	1,0 kg/m^2
45.0 ppW	Quartz sand 0.06- 0.2 mm	0,7 kg/m^2
2.0 ppW	Hardener 50 W (at 20°C)	

This mix is applied to well-primed surfaces. If necessary, it is possible to apply a flexible membrane layer made from Acrydur 332/Z.

Stir up the resin well before use!

Before use, hardener and resin must be mixed and stirred for at least 1 minute, then the fillers are pre-mixed in the power mixer for approx. 2 minutes. 2 minutes. The coating is then applied immediately with a smoothing trowel.

Thin layers and excess filler will reduce the fluidity of the material and may cause cure defects.

For decorative surfaces, coloured flakes can be scattered over the coating.

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We recommend sealing this surface e.g. with Acrydur® 522 or Acrydur® 526.

Pot life and hardening time at different temperatures:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 5	2.6	1.7	ca. 10	ca. 23
+ 10	2.0	1.3	ca. 8	ca. 20
+ 20	1.6	1.0	ca. 8	ca. 18
+ 30	1.3	0.8	ca. 6	ca. 15

- Hardener quantity calculated according to Acrydur® 412
- Temperature refers to resin, surface and air temperature

Hint: Always wait for the previous coat to fully cure before continuing. For applications below - 0°C it is necessary to use Accelerator 101(Request data sheet).

Storage: Methacrylate resins are subject to the handling regulations for highly flammable materials. Acrydur® resins must be stored cool, at temperatures between 15 – 20°C and protected from direct sunlight. Paraffin particles may be deposited during storage. Therefore, materials must be stirred thoroughly at temperatures of 35 °C.

Please follow the instructions in our Safety Data Sheet.

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
Plasti Chemie Produktionsgesellschaft mbH • Falgardring 1 • 08223 Falkenstein • Germany
EN 13813, SR-B2, 0-AR0, 5-IR12
Acrydurx® 412
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

CE-labelling

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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