Acrydur® 528 (GB)

Medium viscous PU-MMA resin for sealcoats of Acrydur®
Coatings based on Acrydur® 332
Particularly suitable for outside applications

Properties: Flexible topcoat, with high impact resistance, especially on Acrydur® 332 outdoor broadcast coatings. The coating remains impact resistant over a wide temperature range. Acrydur® 528 is also suitable as a sealant in cold storage rooms.

Characteristic of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 23 °C	DIN 53 015	100-140 mPa · s
Flow time at 20°C, 4 mm cup	DIN 53 211	25-35 sec
Density D^{20}	DIN 51 757	0.94 g/cm^3
Pot life at 20°C	ca. 15 min	
Curing	25-35 minutes	
Form of delivery	liquid, bluish	
Shelf-life	dark at < 20°C 6 months maximum	
Bundle	180 kg drums 25 kg, 10 kg pails	

Characteristic of the resin in the hardened state:

Property	Measuring method	Approx. value
Strain at break	EN ISO 527	~4%
Tensile strengh	EN ISO 527	~22.0 MPa
E-modul	EN ISO 527	820 MPa
Water absorption, 4 days	DIN 53 495	100 mg
Shore-D	DIN 53 505	70-85 Units

Initiator/Hardener: Hardener Powder (BPO), depending on temperature

Processing: For proper cure, a minimum of 400 g/m² of sealer must be applied per roll. To provide the necessary slip resistance and to avoid yellowing and flaking, the maximum layer thickness is limited to 800 g/m². Best results are obtained at 700 g/m² when applied with a short hair roller (polyamide gold strip) on sand broadcast coatings (0.7 - 1.2 mm grain).

Preparation:

8 L Acrydur® 528
800 mL Hardener 50W or 160 mL Hardener/M

Plasti Chemie International GmbH
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Pot life and Hardening time depending on the temperature:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+5	2.0	1.3	ca. 30	ca. 50
+10	1.5	1.0	ca. 20	ca. 40
+20	1.0	0.7	ca. 15	ca. 30
+25	1.0	0.7	ca. 12	ca. 20

- Hardener quantity calculated according to Acrydur® 528
- Temperature refers to resin, surface and air temperature

Hints: To avoid yellowing, the specified hardener quantities must be strictly adhered to. Good ventilation during application will ensure good curing. Due to the thermoplastic nature of MMA resins, black streaks (skid marks!) may appear under the pressure of forklift traffic.

Storage: Methacrylate resins are subject to the regulations for handling of highly flammable materials. Acrydur® resins must be stored cool, if possible, at temperatures between 15 – 20° C. Keep away from direct sunlight. Paraffin particles may be deposited during storage. Stir the material well before use. Please follow the instructions in our Safety Data Sheet.

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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.

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® 528	
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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