Acrydur® 332

Viscous, plasticized synthetic resin for the production of membranes and elastic coatings, indoors and outdoors, appropriate for tarmac, concrete and metal subsurfaces

Application: Due to its elasticity, Acrydur® 332 is ideal for the producing of elastic membranes after priming with Acrydur® 112. Acrydur® 332 membrane can be coated with Acrydur® 418 and also with an elastic Acrydur® 332 covering.

Characteristics: Acrydur® 332 coatings remain elastic and abrasion resistant even at low temperatures. They can therefore be used in coolers and outdoors. They are characterized by a very good levelling. The use of Acrydur® 332 in membranes minimizes fissuring in floor coverings as mechanical loads and dynamic forces are better absorbed and transferred to the subsurface.

Characteristic of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 23 °C	DIN EN ISO 2555	1000-1060 mPa · s
Flow time at 20°C, 6 mm cup	DIN EN ISO 2431	35-45 sec
Density D^{20}	DIN EN ISO 1183-1	0.95 g/cm³
Pot life at 20°C	approx. 10 min	
Curing	30-40 min at 20°C	
Form of delivery	liquid, Purple	
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	DIN EN ISO 527	~ 180 %
Tensile strengh	DIN EN ISO 527	~2,4 MPa
E-modul	DIN EN ISO 527	2,4 MPa
Water absorption, 4 days	DIN EN ISO 53 495	100 mg
Shore A	DIN EN ISO 7619-1	80-90 Units
Shore-D	DIN EN ISO 7619-1	20-30 Units

Plasti Chemie International GmbH
Falgardring 1
D – 08223 Falkenstein / Germany
Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27
Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de

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

To improve the intermediate adhesion, we recommend to slightly broadcast Acrydur® 332 membranes, e.g. with Acrydur® quartz sand 0.6-1.2 mm. Always spread Acrydur® 332 flooring.

The mixture should be prepared immediately before application by providing the adhesive agent and by adding Acrydur® Hardener 50 W. Mixing time with the double agitator is approx. 2 min. We recommend installing Acrydur® 332 with a minimum thickness of 3 mm. When the hardener is well mixed with the resin, add the fillers.

Suggested formulations: (20°C)

Mixing approach:
(Membrane)

8 L Acrydur® 332
0.24 L Hardener 50 W (at 20°C)
6-8 L SL filler

Mixing approach:
(coating)

8 L Acrydur® 332
0.24 L Hardener 50 W (at 20°C)
8-10 L SL filler

Application:

Processing is usually done with a notched trowel or a smoothing trowel. The self-levelling cover coat can also be evened with a squeegee. Broadcast the fresh coating with quartz sand 0.6 – 1.2 mm or decorative quartz sand, approx. 3-4 kg/m² for membrane and 4-5 kg/m² for coating.

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Pot life and hardening times according to temperature:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+5	4.0	2.6	approx. 20	approx. 60
+10	3.5	2.3	approx. 15	approx. 45
+20	3.0	2.0	approx. 10	approx. 40
+30	2.5	1.6	approx. 10	approx. 30

- Hardener quantity calculated according to Acrydur® 332
- Temperature refers to resin, surface and air temperature

Note: Do not apply the next coat until the previous coat is completely cured. For work below - 0 °C we recommend the use of Acrydur® Accelerator B 101. (Request data sheet!)

Storage: The regulations for handling easily flammable substances apply for methacrylic resins as well. Acrydur® resins should be stored cool and away from direct sunlight, preferably at temperatures between 15 and 20 °C. During storage fillers and paraffin fractions may separate. Stir well before processing these bundles!

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 International GmbH • Falgardring 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Acrydur® 332	
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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