Acrydur® 526 (GB)

Medium viscous methacrylate resin
for sealing Acrydur® coatings
in wet areas of the food industry

PLASTI CHEMIE International GmbH

Properties:

Acrydur® 526 is a Topcoat, especially for broadcasted and smoothed floors based on Acrydur® 332, Acrydur® 510 or Acrydur® 418 in production plants of the food industry with increased water and grease load.

Acrydur® 526 excels particularly in the following characteristics:

- good processing quality
- low tendency to yellowing
- increased hot water and fat stability up to 70 °C

Charasteristic 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	30-40 sec
Density D^{20}	DIN 51 757	0.95 g/cm^3
Pot life at 20°C	approx. 12-15 min	
Curing	30-40 minutes (20°C and 1% hardener)	
Form of delivery	liquid, slightly bluish	
Shelf-life	dark at < 20°C, 6 months maximum	
Bundle	180 kg drums 25 kg, 10 kg pails	

Characteristics of the resin in the hardened state:

Property	Measuring method	Approx. value
Strain at break	EN ISO 527	~4%
Tensile strengh	EN ISO 527	~25 MPa
E-modul	EN ISO 527	551 MPa
Water absorption, 4 days	DIN 53 495	100 mg
Shore-D	DIN 53 505	70-90 Units

Initiator/Hardener: Hardener-powder (BPO 50%), temperature-dependent.

Processing:

For proper curing at least 400 g/m² sealer must be applied per rolling step. In order to ensure the necessary slip resistance and to avoid

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

yellowing and flaking, the maximum layer thickness is limited to 800 g/m². Best results are obtained with 400 g/m² by roller step with short hair (polyamide gold stripe 14mm) on sand broadcast coatings (0.7 - 1.2 mm grain).

Scratch and water resistance can be ameliorated by using hardener/M. Hardener/M leads to a mat surface. Please mind the indications on the product data sheet.

Preparation:

8 L Acrydur® 526
120 mL hardener powder 50W or 240 mL Hardener/M

Pot and curing time depending on the temperature:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+5	2.5	1,62	25 - 30	45 - 50
+10	2.0	1,3	15 - 20	35 - 40
+20	1.5	0,97	12 – 15	25 - 35
+25	1.0	0.65	8 – 12	15 - 25

- Hardener quantity calculated according to Acrydur® 526
- Temperature refers to resin, surface and air temperature.

Attention:

At temperatures below 0°C, the resin must be placed in a warm environment before processing – at least 5°C and up to 4% hardener added. As a general rule, accelerators cannot be added to sealants – neither as thinner or as accelerators – due to yellowing.

Notes:

Acrydur® 526 can be used as clear sealer in interior and exterior zones. Elastic coatings with Acrydur® 332 should be sealed with Acrydur® 528 sealer in exterior areas. Otherwise hairline cracks may appear on the surface. To avoid yellowing, the hardener quantities in the table must be strictly adhered to. Good cross ventilation during processing will ensure good cure. Due to the thermoplastic nature of MMA-resins, black marks (skid marks) may appear on forklift loads. The use of hardener/M reduces the occurrence of skid and roller marks. Use Acrydur® 522 as final sealer to reduce roller marks.

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

Acrydur® 526 (GB)

Medium viscous methacrylate resin
for sealing Acrydur® coatings
in wet areas of the food industry

PLASTI CHEMIE International GmbH

Storage: The directives for dealing with easily flammable substances apply for methacrylic resins. Acrydur® resins must be stored in a cool place, away from direct sunlight and preferably at a temperature of 15-20 °C. During storage the paraffin dissolved in the binding agent may precipitate. Stir the resin well before application! 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.

VbF: A I

GISCODE: RMA 10

HS-Code: 3208 2010

CE	
Plasti Chemie International GmbH • Falgardring 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Acrydur® 526	
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.

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