Acrydur® 500 "style" (GB)

Methacrylate resin + powder component for producing Acrydur® 500 „style“ surfaces

PLASTI CHEMIE International GmbH

Product:

Acrydur® 500 „style floors are applied as a premium topcoat for smooth surfaces of high visual quality. The self-leveling coating is produced by mixing the liquid component Acrydur® 500 with the dry mixture 500 “style” andadding the hardener powder 500 directly on site. Apply evenly with a notched trowel. Acrydur® 500 “style” can be used as an SL coating an primed surfaces and if required, on grounds levelled with an interlayer. After curing, the top coat can be dry sanded with 100 grit paper to obtain a smooth surface. Transparent sealants are applied with Acrydur® resin with the addition of Acrydur® Hardener/M.

Properties:

Used as a high quality topcoat on flat surfaces such as shops, entrance areas, exhibition halls with high requirements for excellent visual effects. The coating has the following characteristics:

- Good levelling properties
- Low yellowing tendency
- Improved scratch resistace
- Low staining

Characteristics of the resin as delivered:

Property	Mesuring method	Approx. value
Flow time at 20°C, 4mm cup	DIN 53 211	26-32 sec.
Density D^{20}	DIN 51 757	0.95 g/cm^3
Pot life at 20°C	ca. 10 min	
Curing	20-30 min (20°C and 1% hardener	
Form of delivery	Liquid, slightly bluish	
Shelf-life	dark at < 20 °C 6 months maximum	
Bundles of resin	180 kg drums, 25 kg & 10 kg pails	
Bundles of hardeners	15 kg sack	
Bundels of Powder	Hardener 25kg, 5kg, 1 kg box	

Activator:

Acrydur® 500 is pre-activated for temperatures from +5°C to +30°C

Initiator/Hardener:

Acrydur® 500 Hardener, temperature-sensitive
Acrydur® Hardener/M, temperature-sensitive

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

mix ratio coating(topcoat):

10 L Acrydur® 500 resin
15 kg Acrydur® 500 "style" powder
0.2 L Acrydur® 500 Hardener (at approx. 20°C)

mix ratio Sealing:

8 L Acrydur® 500 resin
0.24 L Acrydur® Hardener M (at approx. 20°C)

consumption:

ca. 1,5 kg/m^2 coating compound/mm layer thickness.
ca. 0,3 kg/m^2 sealing

Processing:

Stir up Acrydur® 500 resin briefly and pour into a mixing pail. Add Acrydur® 500 hardener and mix for at least 30 seconds. Then add Acrydur® 500 "style" / powder component and mix thoroughly for at least 1 minute. Pour the coating compound onto the primed and, if necessary, sanded subfloor. Spread with a notched trowel. Apply to a thickness of 2-3 mm. After curing, the topcoat can be dry sanded with a rotary disk sander (100 grit sandpaper). Sealing is carried out with Acrydur® 500 resin, colorless, preferably with the addition of Acrydur® Hardener/M to obtain an even and scratch-resistant surface.

Pot- and curing time depending on the temperature:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 5	6.0	4.0	ca. 20	ca. 60
+ 10	4.0	2.6	ca. 15	ca. 40
+ 20	3.0	2.0	ca. 10	ca. 30
+ 25	2.5	1.6	ca. 8	ca. 20

Hardener quantity according to quantity of Acrydur® 500 (hardener 50W)
The temperature specifications refer to resin -, soil and air temperature.

Colours:

Acrydur® 500 style powder is available in the following colors:

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


classic 990


hierro 1305


contrast 940


light blue 501


north sea 520


desert 860


cinnamon 883


beach sand 103


peach 350


apple green 600

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

Storage:

Methacrylate resins are subject to the handling regulations of 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 before processing. Please follow the instructions in our Safety Data Sheet.

Advice:

Acrydur® 500 style can be used as a top coat indoors and outdoors (pay attention to the slip resistance categories!). Good ventilation during the application ensures good curing. Due to the thermoplastic properties of the MMA resins, black streaks (skid marks) may appear when subjected to forklift traffic. This effect can be reduced by treating the sealant with Hardener/M. See also note the cleaning and maintenance instructions for Acrydur® floors.

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.

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® 500 "style" (GB)

Methacrylate resin + powder component for producing Acrydur® 500 „style“ surfaces

PLASTI CHEMIE International GmbH

VbF: A I

GISCODE: RMA 10

HS-Code: 3208 2010

Tax number (Hardener M): 34049000

CE-labelling

CE	
Plasti Chemie Produktionsgesellschaft mbH • Falgardring 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Acrydur® 500 "style"	
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.

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