Acrydur® 430 (GB)

Highly viscous, elastic PU Methacrylate resin with low-temperature flexibility. Mixed with Acrydur® coating resins used for the production of 2-components coatings in cool and cold treatment areas on concrete ground. Also applicable as liquid foil and joint grouting mass for construction joints

PLASTI CHEMIE International GmbH

Characteristics: Coating based on Acrydur® 430 or mixtures with Acrydur® 322 has a high cooling flexibility. Acrydur® 430 is also used as a membrane layer with Acrydur® coatings, as jointing grouting mass for work adding with very good flexibility properties in the external area.

Characteristic of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 23 °C	DIN 53 015	220-280 MPa · s
Flow time at 20°C, 6 mm cup	DIN 53 211	15-21 sec
Density D^{20}	DIN 51 757	0.96 g/cm³
Water absorption, 4 days	DIN 53 495	0 mg
Pot life at 20°C	ca. 10 min	
Curing	60 min at 20°C	
Form of delivery	liquid, bluich	
Shelf-life	dark at < 20°C 6 months maximum	
Bundle	180 kg drums 25 kg, 10 kg pails	

Activator: Acrydur® 430 is pre-activated for temperatures of +5 °C to +30 °C

Initiator/hardener: Hardener powder (BPO), temperature-dependent

Accelerator: Use accelerator B101 at temperatures below 0 °C!

Order prescriptions: (20°C)

430/1 membrane layer 1 - 2 mm	80.0 GT Acrydur® 430
	of 20.0 GT fine filler 0 - 50 µm
	(no carbonate-containing fillers!)
430/2 coating interspersed 5-8 mm	30.0 GT Acrydur® 332:430 (2:1 to 3:1)
	28.0 GT fine filler 0 - 50 µm
	(no carbonate-containing of fillers!)
	40.0 GT quartz sand 0.3 - 0.8 mm
	2.0 GT pigment powder
430/3 joint grouting 5 - 8 mm	80.0 GT Acrydur® 430
	15.0 GT fine filler 0 - 50 µm
	(no carbonate-containing of fillers!)
	5.0 GT pigment powders

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Processing: Dispensing 430/1 is applied with a dental made of metal or MMA-resistant plastic.

Dispensing 430/2 is applied with a squeegee and smoothed with a trowel. This formulation is particularly suitable for freezers floors or cold treatment areas (down to - 40 °C). In order to increase of the pressure strength and the pavement grip of the flow lining with quartz sand 0.6 - 1.2 mm for decorative purposes with synthetic resin (EP or PU) is interspersed coated color sand of same granulation. The excess sand/colored sand is removed before the topcoat is applied. Surfaces coated with Acrydur® 332:430 must be sealed with Acrydur® 528 (clear or pigmented).

Processing joint: The 430/3 Dispenser is used for pouring pre-primed construction joints in the interior and external area. Make sure that the sealant is applied to the side flanks of the joint a group (use round profiles!).

Pot- and curing time depending Temperature:

Temperatur [°C]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 5	5.0	3.3	ca. 15	ca. 80
+ 10	4.0	2.6	ca. 10	ca. 70
+ 20	3.0	2.0	ca. 10	ca. 60
+ 30	2.5	1.6	ca. 11	ca. 30

Hardener quantity calculated according to Acrydur® 430
Temperature refers to resin, surface and air temperature

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Note: Transfer and capping only on pre-primed surfaces!

Storage conditions: Store at = 25 °C. Protect from direct sunlight. At temperatures below + 15 °C the paraffin dissolved in the bonder agent can fail. Stir up well before use!

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® 430	
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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