

Acrydur™ - 430 N (USA)

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

Characteristics: Coating on basis of Acrydur™ 430 N or mixtures with Acrydur™ 322 N disposes of a high cooling flexibility. Acrydur™ 430 N is used also as membrane layer with Acrydur™ coatings, as joint grouting mass for work adding with very good flexibility properties in the external area.

Characteristic data:

Delivery form	liquid, blue
Flow time	25-32 sec (68°F) DIN flow cup, 6mm
Curing	Ca. 40 min (68°F)
Shelf life	In the original container, dark at < 65°F maximum 6 months
Bundle	180kg drum 25 kg, 10 kg pail

Activator: Acrydur™ 430 is pre-activated for temperatures of +41°F to +86°F

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

Storage conditions: Storage at = 77°F. Protect against direct sun. At temperatures below 59°F the paraffin loosened in the bonding agent can fail. Stir up well prior to use!

Processing Notes:

Suggested formulation:

430/1

Membrane layer 80 ppW Acrydur™ 430 N
1 - 2 mm 20 ppW fine Filler < 270 mesh (no carbonate-containing fillers!)

430/2

Coating interspersed 30 ppW Acrydur™ 332 N : 430 N (2:1 to 3:1)
5 - 8 mm 28 ppW fine Filler < 270 mesh (no carbonate-containing fillers!)
 40 ppW Quartz sand 20 - 40 mesh
 2 ppW pigment powder

430/3

Joint grouting 80 ppW Acrydur™ 430 N
 15 ppW Acrydur™ Aditive 430
 5 ppW pigment powder

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

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The dispensing 430/2 is pre-distributed with a squeegee and smoothed with a trowel. This formulation is particularly suitable for grounds in freezers or cold treatment areas (to - 40 °F). For the increase of the pressure strength and the pavement grip the flow lining with quartz sand 20 - 40 mesh or 15 - 30 mesh for decorative purposes with synthetic resin (EP or PU) is interspersed coated color sand of same granulation. Before applying Topcoats, the surplus sand/color sand is removed. The surfaces of coatings with Acrydur™ 332 N : 430 N must be sealed with Acrydur™ 528 N (clearly or pigmented).

Processing joint:

The dispensing 430/3 is used for pouring pre-primed construction joints in the interior and external area. It has to be ensured that the sealing compound is received only at the side flanks of the joint a group.

Pot life and curing times depending on temperature:

Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

Temperature [°F]**	Hardener [Vol%]	Pot life [min]	Curing time [min]
+41	5	ca. 15	ca. 75
+50	4	ca. 10	ca. 60
+68	3	ca. 10	ca. 40
+86	2	ca. 11	ca. 30

*) Hardener quantity calculated according to Acrydur™ 430

**) temperature refers to resin, surface and air temperature

Attention:

Hardener quantities below 1 Vol. % may cause polymerisation failures!

Storage:

The handling-regulations for highly flammable materials apply to methacrylate – resins. Acrydur™ resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

Note:

Transfer and capping only on pre-primed surfaces!

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Industrial safety:

Ensure sufficient ventilation during work. On processing, pay attention to the directives in the hazardous substances ordinance and to the indications of the Federal States Committee for industrial safety and safety engineering (LASI) as well as to our safety data sheets.

VbF: A I
GISCODE: RMA 10
Taxnumber: 3208 2010

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

20-10-2022

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