

DEGADUR® 430

Higher-viscous, elasticized polyurethane-methacrylate resin with high flexibility at deep temperature. Recommended for mixing with DEGADUR® 332 for manufacturing of 2-component body coats for cold stores and shock freezers on concrete. Also usable as membrane, liquid foil and grouting resin indoor and outdoor.

Typical properties

Property	Value	Unit	Method
Form supplied	Slightly turbid liquid		
Viscosity at 23 °C	630 - 940	mPas	Brookfield DV2, sp. 2/12 rpm
Density at 20 °C	0.99	g/cm ³	DIN 51757
T _{max} at 23 °C	10 - 23 min / 80 - 130 °C		70.0 g DEGADUR® 430 + 1.4 g BPO 50%
Flash point	10	°C	MMA, DIN 51755

General remarks

Activator	DEGADUR® 430 is preactivated for temperatures from 5 °C to 30 °C.
Initiator/Hardener	BPO-Hardener (50 %), depending on temperature
Shelf life	at ≤ 25 °C minimum 12 months in original containers / from date of delivery at ≤ 30 °C minimum 6 months in original containers / from date of delivery
Storage	Protect against direct sunlight. At temperatures below 15 °C the paraffin dissolved in the binder may precipitate. The material must be stirred thoroughly before use.
Packaging	Steel drum, 190 kg net

Properties

Formulations based DEGADUR® 430 or mixtures with DEGADUR® 332 are with high flexibility at deep temperature. DEGADUR® 430 is also recommended for membrane under DEGADUR® industrial-floor applications or grouting resin.

Guide formulation: 430/1 - membran / 1 - 2 mm

80	GT	DEGADUR® 430
20	GT	fine filler 0 - 50 µm (no filler based on carbonate!)

DEGADUR® 430

Guide formulation:

430/3 - joint sealing / 5 - 20 mm

80	% by wt.	DEGADUR® 430
15	% by wt.	fine filler 0 - 50 µm (no filler based on carbonate!)
5	% by wt.	pigment powder

Application

The DEGADUR® 430/1 is applied with a toothrake.

The formulation 430/3 is used for preprimed day work joints for indoor and outdoor areas. It has to be avoided that the 430/3 formulation adheres to the three areas of a joint, only to the vertical parts.

Pot life and hardening time at different temperatures:

Formulations 430/1, 430/3

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5	5.0	approx. 34	approx. 60
10	4.0	approx. 25	approx. 40
20	2.0	approx. 15	approx. 30
25	1.5	approx. 13	approx. 25
30	1.0	approx. 9	approx. 20

*) Quantity calculated on DEGADUR® 430.

***) Temperature statements refer to resin-, floor- and air-temperature.

***) The indication of the approximate pot life always refers to the lower temperature.

Note: All values are derived from laboratory tests. Deviations caused by environmental factors might occur.

Guide formulation:

430/2 - bodycoat / broadcast / 5 - 6 mm

30	% by wt.	DEGADUR® 332 : DEGADUR® 430 (ratio 2:1 to 3:1)
28	% by wt.	fine filler 0 - 50 µm (no filler based on carbonate!)
40	% by wt.	quartz sand (0.3 - 0.8 mm)
2	% by wt.	pigment powder

DEGADUR® 430

Application

The **430/2** self-leveling formulation is applied with an adjustable-rake in a minimum thickness of 3 mm and smoothed with a half bladed floor trowel and fully broadcast with quartz sand (0.3 to 0.8 or 0.6 to 1.2 mm). For decorative surfaces coloured quartz sand (coated with EP or PU resin) with a size of 0.3 to 0.8 mm or 0.7 to 1.2 mm can also be used. The formulation **430/2** is recommended for cold stores and shock freezers (down -40 °C).

For the protection of the surface of 332:430 the application of topcoat DEGADUR® 530 (clear or pigmented) is necessary.

Pot life and hardening time at different temperatures:

Formulation 430/2: DEGADUR® 332: DEGADUR® 430 (2:1)

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5	5.0	approx. 25	approx. 45
10	4.0	approx. 14	approx. 30
20	2.0	approx. 13	approx. 30
25	1.5	approx. 13	approx. 30
30	1.0	approx. 12	approx. 25

*) Quantity calculated on DEGADUR® 332:430 (2:1) mix..

***) Temperature statements refer to resin-, floor- and air-temperature.

***) The indication of the approximate pot life always refers to the lower temperature.

Note: All values are derived from laboratory tests. Deviations caused by environmental factors might occur.

Pot life and hardening time at different temperatures:

Formulation 430/2: DEGADUR® 332:DEGADUR® 430 (3:1)

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5	5.0	approx. 23	approx. 39
10	4.0	approx. 13	approx. 29
20	2.0	approx. 12	approx. 24
25	1.5	approx. 11	approx. 29
30	1.0	approx. 9	approx. 19

*) Quantity calculated on DEGADUR® 332:430 (3:1) mix..

***) Temperature statements refer to resin-, floor- and air-temperature.

***) The indication of the approximate pot life always refers to the lower temperature.

Note: All values are derived from laboratory tests. Deviations caused by environmental factors might occur.

DEGADUR® 430

More accounts

All formulations have to be applied on preprimed surfaces.

Use efficient air ventilation in order to provide a safe surface curing.

Typical properties are approximate reference values. If you need product specifications please contact us.

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Product Information
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DEGADUR 430 e
Page 4/4