

DEGADUR® 530

Middle-viscous, methacrylate resin for manufacturing of elasticated, 2-component top coats on DEGADUR® 332 or DEGADUR® 420 coatings, indoors and outdoors.

Typical properties

Property	Value	Unit	Method
Form supplied	bluish, slightly turbid liquid		
Viscosity at 23 °C	80 - 120	mPas	Brookfield DV2, sp. 2/60 rpm
Density at 20 °C	0.96	g/cm ³	DIN 51757
T _{max} at 23 °C	22 - 32 min / 100 - 115 °C		30.0 g DEGADUR® 530 + 0.45 g BPO 50%
Flash point	10	°C	MMA, DIN 51755

General marks

Activator	DEGADUR® 530 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

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Properties

DEGADUR® 530 is a topcoat in particular for exterior application with further improved UV- and ageing resistance.

Application

The total quantity of catalysed DEGADUR® 530 is completely poured onto the coating and distributed by means of a rubber blade if the surface is broadcasted. In case of smooth surfaces the rubber blade should be finely serrated (1 mm teeth).

In order to achieve best curing it is necessary to apply DEGADUR® 530 with a minimum thickness of about 0.4 mm (400 g/m²) each workstep. To ensure the right slip-resistance and to avoid yellowing and flaking a maximum of about 0.8 mm (800 g/m²) should be applied.

Best results are achieved on smooth surfaces with a subsequently use of a short-hair roller (Mohair, 4 mm pile woven). On broadcast surfaces it is recommended to use Polyamid-roller with 12 mm pile woven.

Pigment-powder amount of 2 - 10 % by wt. is possible depending on colour. While steering in the pigment-powder the resin temperature should not exceed 35 °C. The shelf life of pigmented topcoats is limited and must be tested by the user.

Pot life and hardening time at different temperatures:

Temperature [°C]**)	Hardener [% by wt.]*)	Pot life [min] ***)	Hardening time [min]
5	3.5	approx. 35	approx. 70
10	2.5	approx. 30	approx. 60
15	2.0	approx. 30	approx. 50
20	1.5	approx. 20	approx. 40
30	1.0	approx. 16	approx. 30

*) Quantity calculated on DEGADUR® 530.

**) 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.

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More accounts

To avoid yellowing the hardener quantities must be kept as shown in the table.

However, at temperatures of less than 10 °C it is recommended to apply only pigmented DEGADUR® 530 because unfavourable yellowing might occur !

To avoid different colour results and also to get a sufficient curing process, it is recommended not to apply DEGADUR® 530 under direct/hard sun light conditions.

Under these circumstances it will be possible that the paraffin shield will not be build up in a sufficient way, which can cause above difficulties.

Use efficient air ventilation in order to provide a safe surface curing. Due to the thermoplastic character of MMA-coatings black tire-marks (skid marks) can appear from forklift trucks.

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

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