

## DEGADUR® 529

Middle-viscous, methacrylate resin for manufacturing of elasticated, 2-component top coats on DEGADUR® 332 or DEGADUR® 419 coatings, indoors and outdoors.

### Properties

DEGADUR® 529 is a topcoat in particular for exterior application with further improved UV- and ageing resistance.

### Application

The total quantity of catalysed DEGADUR® 529 is completely poured onto the coating and distributed by means of a rubber blade if the surface is smooth. In case of broadcast surfaces the rubber blade should be finely serrated (3 mm teeth).

In order to achieve best curing it is necessary to apply DEGADUR® 529 with a minimum thickness of about 0.4 mm (400 g/m<sup>2</sup>) each workstep. To ensure the right slip-resistance and to avoid yellowing and flaking a maximum of about 0.8 mm (800 g/m<sup>2</sup>) should be applied.

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

Pigment-powder amount of 5 - 10 % by wt. is possible. During the time stirring in the pigment-powder the 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 - 10	3.5	approx. 35	approx. 70
10 - 20	2.5	approx. 15	approx. 40
20 - 30	1.5	approx. 15	approx. 40
> 30	1.0	approx. 13	approx. 30

\*) Quantity calculated on DEGADUR® 529.

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

However, it is recommendable to apply pigmented DEGADUR® 529 at temperatures less 10 °C 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® 529 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.



This product has been awarded with an certified Environmental Product Declaration according to ISO 14025. This declaration describes the specific environmental performance of building products listed herein and supports the development of environmentally and health friendly buildings. The validated declaration authorizes the use of the sign of the Institut Bauen und Umwelt e.V.

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

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