

DEGADUR® 163

Low-viscous methacrylate resin for manufacturing of 2-component hard, clear, pigmented or turbid topcoats on DEGADUR® coatings, smooth or broadcast

Properties

Hard, turbid topcoat for coatings based on DEGADUR® body coat resins.

- matt satin finish
- improved scratch resistance
- good chemical resistance
- up to 50 °C hot water resistant
- less odour
- good self levelling without roller marks
- good abrasion resistance
- UV resistant

Application

In order to achieve best possible properties, the minimum and maximum coating thickness must be observed. For smooth coatings, the material consumption is approx. 250 g/m². If the coating thickness exceeds more than 500 g/m², the resin will tend to flake and yellow.

Pigment-powder Addition up to 5 % by wt. is possible. During the mixing of pigment-powder into the resin, the temperature should not exceed 35 °C. Pigments need to be properly tested for their compatibility and storage stability.

Because of the turbid effect dark pigmented or broadcast applications/floors can change the color.

Mix the Hardener Powder into the resin for at least 1 minute.

The total quantity of catalysed DEGADUR® 163 is completely poured onto the coating and distributed by means of a rubber blade (1 mm thooth) if the surface is smooth. In case of broadcast surfaces a rubber blade without serrated should be used. Best results are achieved on smooth surfaces with a subsequently use of a short-hair (Mohair, 4 mm pile woven). However, it is recommended to use Polyamid-roller with 12 mm pile woven onto broadcast surfaces.

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Pot life and hardening time at different temperatures:

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5 - 10	2.5	approx. 22	approx. 55
10 - 15	2.0	approx. 20	approx. 50
15 - 20	2.0	approx. 15	approx. 40
20 - 25	1.5	approx. 15	approx. 30
25 - 30	1.0	approx. 11	approx. 20

*) Quantity calculated on DEGADUR® 163.

***) 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.

More accounts

DEGADUR® 163 topcoat must not be applied on very elastic smooth coatings, e. g. DEGADUR® 332 or DEGADUR® 419, otherwise movement caused by temperature will lead to hairline cracks forming in the topcoat. To avoid yellowing the hardener quantities must be kept as shown in the table.

Always ensure good and efficient air ventilation in order to provide a safe surface curing.

Due to the thermoplastic character of DEGADUR® 163 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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Product Information
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