

## DEGADUR® 165

Low-viscous methacrylate resin for manufacturing of 2-component hard top coats on DEGADUR® coatings

### Properties

Hard, clear topcoat for coatings based on DEGADUR® BODY COAT resins. DEGADUR® 165 shows the following improved properties:

- good self levelling
- smooth surface
- low yellowing
- good abrasion resistance

### Application

In order to achieve best curing it is necessary to apply DEGADUR® 165 with a minimum thickness of about 0.2 mm (200 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.

The total quantity of catalysed DEGADUR® 165 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).

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.

Higher chemical resistance will be achieved if DEGADUR® 165 is applied twice.

### Pot life and hardening time at different temperatures:

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5 - 10	1.8	approx. 13	approx. 35
10 - 15	1.5	approx. 14	approx. 30
15 - 20	1.0	approx. 13	approx. 30
20 - 30	0.8	approx. 12	approx. 30

\*) Quantity calculated on DEGADUR® 165.

\*\*\*) 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

DEGADUR® 165 top coat may not be applied on very elastic DEGADUR® 332 or DEGADUR® 419 smooth coatings since small hair cracks might appear due to the extreme difference in flexibility between base coat and the hard top coat.

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

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

To avoid problems with intercoat adhesion onto trowel applied (not broad-casted) coatings based on DEGADUR® 151 a first primer coat with DEGADUR® 112 must be applied before the DEGADUR® 165 top coat is applied.

Due to the thermoplastic character of DEGADUR® 165 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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