

DEGADUR® 332

Higher-viscous, elasticized methacrylate resin for manufacturing of 2-component broadcast floor coatings on concrete- and metal-surfaces as well as asphalt-applications indoors and outdoors.

Typical properties

Property	Value	Unit	Method
Form supplied	Slightly turbid liquid		
Viscosity at 23 °C	669 - 1,003	mPas	Brookfield DV2, sp. 2/12 rpm
Density at 20 °C	0.98	g/cm ³	DIN 51757
T _{max} at 23 °C	16 - 23 min / 85 - 125 °C		20.0 g DEGADUR® 332 + 0.4 g BPO 50%
Flash point	10	°C	MMA, DIN 51755

General remarks

Activator	DEGADUR® 332 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, 200 kg net
More accounts	This product contains max. 30 g/l residual volatiles (ASTM 2369 Method E).

DEGADUR® 332

Properties

DEGADUR® 332 coatings are elastic and abrasion-resistant even at low temperatures.

Guide formulations:

332/1a - self-levelling coating / sprinkled with quartz sand / for orthotropic plates / 5 - 8 mm / in two layers
Intermediate layer 1 mm

80	% by wt.	DEGADUR® 332
20	% by wt.	quartz-, heavy spar-powder or calcite

Guide formulations:

332/1b - self-levelling coating / sprinkled with quartz sand / for orthotropic plates / 5 - 8 mm / in two layers
Wearing layer 5 mm

30	% by wt.	DEGADUR® 332
30	% by wt.	quartz-, heavy spar-powder or calcite
40	% by wt.	quartz sand (0.3 - 0.8 mm)

This formulation is suitable as traffic surfacing on shot blasted and primed orthotropic steel-plates in a two layer installation, e. g. on landing piers, ship decks, draw-bridges and pontoons.

To improve the intermediate adhesion it is recommendable to sprinkle the intermediate layer with silica sand. Non skid aggregate (e. g. Bauxite, calcinated Bauxite, Flint or Zircon; 1 - 3 mm size) can be fully broadcast onto the wearing layer before curing commences in order to improve the grip and compressive strength.

Guide formulations:

332/2 - self-levelling coating / sprinkled with quartz sand / for concrete surface/ 5 - 6 mm
Intermediate layer 1 mm

30	% by wt.	DEGADUR® 332
30	% by wt.	quartz-, heavy spar-powder or calcite
40	% by wt.	quartz sand (0.3 - 0.8 mm)

This formulation is used successfully especially in the metal industry in heavy-duty areas.

It is advisable to increase the skid resistance and the compressive strength of the coating by sprinkling the surface fully with silica sand 0.3 - 0.8 mm or 0.7 - 1.2 mm.

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Note

The surface of DEGADUR® 332 coatings need a topcoat with DEGADUR® 530 (clear or pigmented).

Pot life and hardening time at different temperatures:

Formulations 332/1a, 332/1b, 332/2

Temperature [°C]**	Hardener [% by wt.]*	Pot life [min] ***)	Hardening time [min]
5	5.0	approx. 25	approx. 70
10	4.0	approx. 25	approx. 60
20	2.0	approx. 20	approx. 45
30	1.0	approx. 25	approx. 50

*) Quantity calculated on DEGADUR® 332.

**) 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.

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

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