

DEGADUR® 418

Middle-viscous elasticized methacrylate resin for manufacturing of 2-component floor coatings. For trowel application, self-levelling, smooth or broadcast indoor coatings on concrete and metal surfaces. For wet and dry areas.

Properties

DEGADUR® 418 coatings can be highly filled and have good levelling properties. DEGADUR® 418 is preferably used as a self levelling coating in coat thicknesses of 2 - 4 mm because of its good wetting power of fillers and pigments. Broadcast, paint-roller and trowel applied systems are also possible.

Guide formulations:

418/1 - self-levelling / smooth / pigmented or broadcast with flakes / 2 - 4 mm

33	% by wt.	DEGADUR® 418
20	% by wt.	fine filler 0 - 50 µm (no filler based on carbonate!)
45	% by wt.	quartz sand (0.06 - 0.3 mm)
2	% by wt.	pigment powder

Guide formulations:

418/2 - self-levelling coating / broadcast with coloured sand / 3 - 5 mm

27	% by wt.	DEGADUR® 418
22	% by wt.	fine filler 0 - 50 µm (no filler based on carbonate!)
50	% by wt.	quartz sand (0.06 - 0.3 mm)
1	% by wt.	pigment powder

Guide formulations:

418/3 - trowel applied coating / 4 - 6 mm

21.6	% by wt.	DEGADUR® 418
60.4	% by wt.	coloured quartz sand (0.7 - 1.2 mm)
18.0	% by wt.	coloured quartz sand or quartz sand (0.1 - 0.4 mm)

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Guide formulations: 418/4 - paint roller applied thin coating / 0.5 - 2 mm

89.25	% by wt.	DEGADUR® 418
10	% by wt.	pigment powder
0.75	% by wt.	Sylothix 51

Application

The DEGADUR® **418/1** and **418/2** formulations are applied with a trowel or an adjustable-rake in a minimum thickness of 2 mm. For smooth surfaces a refinishing with a spiked roller is advisable. For decorative surfaces, coloured flakes (3 - 4 mm), coloured quartz sand (coated with EP or PU resin) or Granodiorite with a size of 0.3 - 0.8 mm or 0.7 - 1.2 mm can be broadcast onto the self-levelling formulation.

The application of the DEGADUR® **418/3** mixture takes place with an adjustable-rake and is afterwards smoothed with a flexible trowel.

The total catalysed quantity of **418/4** formulation is completely poured out onto the primed substrate, distributed by means of a finely serrated (2 - 4 mm teeth) rubber blade and rolled out with a nylon-roller (12 - 14 mm pile woven).

The surface of DEGADUR® 418 coatings need a clear or pigmented DEGADUR® topcoat.

Pot life and hardening time at different temperatures::

Formulations 418/1, 418/2, 418/3, 418/4

Temperature [°C] **)	Hardener [% by wt.] *)	Pot life [min] ***)	Hardening time [min]
5 - 10	4.5	approx. 40	approx. 70
10 - 20	3.0	approx. 35	approx. 75
20 - 30	2.0	approx. 15	approx. 35
> 30	1.0	approx. 25	approx. 70

*) Quantity calculated on DEGADUR® 418.

***) 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

All formulations have to be applied on preprimed surfaces!

Before top coat is applied onto a body coat which had been scattered with flakes, it is essential to grind the surface by means of a dedicated grinding facility, e.g. soft nylpads. Subsequently all the not fixed particles must be removed. This step avoids unevenness and micro bubbles.

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



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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