

## DEGADUR® 111 / DEGADUR® F 111

Methacrylate resin plus appropriate filler component for manufacturing of 2-component adhesive primer for moist concrete and cement screeds.

### Typical properties

Property	DEGADUR®	Value	Unit	Method
Form supplied	111 F 111	slightly turbid liquid grey fine filler		
Viscosity at 23 °C	111 (resin)	267 - 401	mPas	Brookfield DV2, sp. 2/60
	111 / F 111	2,000 - 4,000	mPas	rpm
Density at 20 °C	111 (resin)	approx. 1.00	g/cm <sup>3</sup>	DIN 51757
	F 111	approx. 3.00	g/cm <sup>3</sup>	
	111 / F 111	1.50	g/cm <sup>3</sup>	
T <sub>max</sub> at 23 °C		13 - 23 min / 80 - 140 °C		20 g DEGADUR® 111 + 0.2 g BPO 50%
Flash point		10	°C	MMA, DIN 51755
Bulk density	F 111	1 - 1.3	g/cm <sup>3</sup>	

### General remarks

Activator	DEGADUR® 111 (resin) 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. Keep paper bags dry. At temperature below 15 °C the paraffin dissolved in the resin may precipitate. The material must be stirred thoroughly before use.
Packaging	DEGADUR® 111 (resin): DOT can, 19 kg net Steel drum, 190 kg net
	DEGADUR® F 111: Paper bag, 10 kg net
More accounts	DEGADUR® 111 contains max. 30 g/l residual volatiles (ASTM 2369 Method E).

## DEGADUR® 111 / DEGADUR® F 111

### Properties

Primer DEGADUR® 111 enables the priming of moist cementitious substrates, provided there is no liquid water on the surface (no puddles).

### Application

Primer DEGADUR® 111 may only be processed together with DEGADUR® F 111 (filler component). The ratio of the DEGADUR® 111 (resin) and DEGADUR® F 111 (filler) is 18.6 kg resin to 10 kg filler. The stirring process of both components should be at least 5 min to ensure homogeneous mixing.

The amount of hardener has to be adjusted to the surface temperature of substrate to be coated (see table).

Application method: first use a squeegee and afterwards a roller intensely in order to enable a deep penetration into the surface. Consumption: minimum of 0.5 - 1.2 kg/m<sup>2</sup> (depending on porosity of surface)

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

Temperature [°C]**	Hardener [% by wt.]*	Pot life [min] ***)	Hardening time [min]
1	3.3	approx. 33	approx. 56
5	2.0	approx. 11	approx. 30
10	1.5	approx. 8	approx. 30
15	1.2	approx. 8	approx. 30
20	1.0	approx. 7	approx. 30
25	0.7	approx. 8	approx. 30

\*) Quantity calculated on DEGADUR® 111 incorporating DEGADUR® F 111.

\*\*\*) 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.

**Note: "Green concrete" may not be primed !**

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

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