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Green Concrete Coat Paint - 7020 Series

MATERIAL AND APPLICATION

7020 is sprayable.

7020 is a premium quality two (2) component, non-VOC hydrophobic, gloss HiOmega Natural Polyurethane epoxy coating with organic anhydrides

7020 is designed for application on all concrete, marble, limestone, stone surfaces, indoor and outdoor.

For sealing protections from water, heat, while allowing the concrete to breath and cure.

7020 is designed for extreme durability, chemical resistance, and washability when applied to properly prepared Concrete/stone surfaces. Used where sunlight or non UV surfaces are only available.

MIXTURES

prescription	parts of mass		Component relation in %	Consum in kg/m ²
	A	B	A+B	A+B ¹
7020	1.65	1	62	1.30

A: epoxid; B: hardener; C: calcium hydrogen phosphate (add "C" 2-3% as desired)

NOTES:

- For pressure applications, 2 component system available.
- different % of components for different applications will result in different qualities of end product fiberglass.
- different % for different fiber glass types – on account of the coverings on different fiberglass base fibers.

PROPERTIES 7020

Feature	unit	value	measure method
pour point	°C	-10	Factory prescription
kin. viscosity by 23°C	mm ² /s	----	DIN 53 019
sp. Weight	g/cm ³	1.17	DIN EN ISO 3675
gel time by 23°C (1.5 kg accretion)	min	55	according application
curing time	d	approx. 7	according application
Hardness	Shore D	>60	

Durability of chemical Component A B	month month	24 approx. 6	bei 20°C in PE-container
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RESISTANCE AGAINST CHEMICALS

Agent	Findings	Agent	Findings
Solvents gasoline (Bio)Diesel Methanol Acetone	R R R swelling	Salts NaCl 3 % NaCl saturated CaCl ₂ saturated	R R R
Acids HCl H ₃ PO ₄ HCOOH CH ₃ COOH H ₂ SO ₄ HNO ₃	R R R R oxidation oxidation	Lyes NaOH KOH	slow saponification slow saponification

R = Resistant

REMARKS FOR PROCESSING

The components A and B respectively C are stirred together with a slow running agitator by 300 rotations per min. The optimal processing temperature is given by $12^{\circ}\text{C} \leq T_p \leq 30^{\circ}\text{C}$. All of devices can be cleaned by acetone or water – acetone mixtures.

DISPOSAL

Remains can be chopped up and be composted or burned.