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Green Fiber Glass Epoxy - Resin

7000 Series

MATERIAL AND APPLICATION

Everything your resin will do with no smell and more flexibility.

Green Glass is a premium quality, 2 component, non VOC, hydrophobic, fiberglass epoxy resin solution. Can be used with or without fillers.

Green Glass provides superb flexibility and durability. Excellent chemical resistance and wash ability when applied to properly specified glass fibers, eg: ppg glass fibers standard.

Product finishes with 50% less sanding, product finishes quite smooth.

MIXTURES

prescription	parts of mass		Component relation in %	Consum in kg/m²
	A	B	A+B	A+B¹
7000	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 7000

Feature	unit	value	measure method
pour point	°C	-10	Factory prescription
kin. viscosity by 23°C	mm²/s	----	DIN 53 019
sp. Weight	g/cm³	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

RESISTANCE AGAINST CHEMICALS

agent	findings	agent	findings
Solvents		**Salts**	
gasoline	r	NaCl 3 %	r
(Bio)Diesel	r	NaCl saturated	r
Methanol	r	$CaCl_2$saturated	r
Acetone	swelling		
Acids		**Lyes**	
HCl	r	NaOH	slow saponification
H_3PO_4	r	KOH	slow saponification
HCOOH	r		
CH_3COOH	r		
H_2SO_4	oxidation		
HNO_3	oxidation		

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 $12°C \leq Tp \leq 30°C$. All of devices can be cleaned by acetone or water – acetone mixtures.

DISPOSAL

Remains can be chopped up and be composted or burned.