



STRUCT GUARD- PRIMER & SATURANT

DESCRIPTION:

STRUCT GUARD PRIMER & SATURANT is a two-component high strength epoxy resin system comprised of a base and curing agent.

APPLICATION AREAS:

- In wrapping of unidirectional e-glass fiber sheets / carbon fiber sheets to concrete structural elements for structural strengthening and seismic retrofitting applications.

DIRECTION FOR USE:

SURFACE PREPARATION:

- Concrete to be treated shall be free from oil residues, demolding agents, curing compounds, grouting lines and protrusions.
- The damaged structures shall be repaired with epoxy mortar/ low viscous epoxy grout guard or polymer modified mortar.
- Undulations in the concrete shall be filled by **STRUCT GUARD PUTTY**. Differences in concrete levels shall not be more than 1 mm.

HOW TO APPLY:

- Mix **STRUCT GUARD-PRIMER** in proportion 2:1 and stir for 5-10 minutes in a clean plastic container.
- Apply the primer by brush and roller.
- Application of **STRUCT GUARD** (Carbon Fiber Sheet) shall be done over 2nd coat (i.e. saturant coat).
- Apply the second coat of **STRUCT GUARD SATURANT** in proportion 3.1:1 over applied carbon fiber and allow it to cure.
- Pressure out the resin through the fiber as much as possible.

PRODUCT INFORMATION:

PACKING STORAGE AND COVERAGE

APPEARANCE	Dark color	
APPLICATION	By brush after thorough surface preparation.	
POT LIFE	55 Minutes	
STORAGE	Stored in original un-opened packaging under normal conditions.	
SHELF LIFE	12 months from the date of manufacture	
PROPERTIES	PRIMER	SATURANT
MIX PROPORTION (BY WEIGHT)	Base: Curing Agent 2: 1	Base: Curing Agent 3.1: 1
COVERAGE	5-6 sq. mt/kg	1-2 sq.mt/kg

Constro Chem India Pvt. Ltd.

201, Shrusthi tower, near Parsik Janta bank, Kalwa Naka, thane west, Maharashtra-400605
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TECHNICAL DATA:

PROPERTY	ASTM D638	TEST VALUE
Compressive Strength	ASTM-D-695/ ASTM C 881	55 N/MM2
Tensile Strength	ASTM D-638 Type 1	18 N/MM2
Tensile Modulus	ASTM D-638 Type 1	3.2 GPa
Elongation %	ASTM D-638 Type 1	3
Flexural Strength	ASTM D-790	45 Mpa
Bond Strength	ASTM D4541	2.5 Mpa

PRIMER:

PART A	20 KG
PART B	10 KG

SATURANT:

PART A	25 KG
PART B	8 KG

STORAGE AND SHELF LIFE:

12 months from manufacture in original unopened if stored in dry and cool place.

SAFETY PRECAUTIONS:

Care should be taken to avoid contact with eyes, skin, and mouth and food stuff. Any splashes on the human body must be washed off with plenty water.

Wear protective gloves, goggles, and nose masks while handling the material.

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