

# ShaliBond® GCW 340

2K Epoxy Impregnating Primer-cum-Sealer Coat



STP Limited

## Description

**ShaliBond® GCW 340** (formerly known as ShaliWrap® Primer) is two component, thixotropic, penetrative epoxy based adhesive primer is designed for structural strengthening applications along with ShaliWrap GF and ShaliWrap CF.

**ShaliBond® GCW 340** can also be used as a sealer coat.

## Characteristics

Adhesion to concrete	Excellent	Pot Life, Minutes @ 30°C, minutes	40
Theoretical Coverage, m <sup>2</sup> / kg*	1.5 - 2	Heat deflection temperature after 7 days at +30°C, (ASTM D 648) °C	60
Tensile Adhesion strength after 1 Day, N / mm <sup>2</sup> (ASTM C-881)	≥ 10	Mixing ratio (A : B)	4 : 1
Drying time, 30°C, hrs. Touch dry Hard dry	1	Modulus of elasticity in tension after 7 days at +30°C, N / mm <sup>2</sup>	3500 ± 200
	7	Application Temperature, °C	5 - 40
Modulus of elasticity in Flexure after 7 days at +30°C, N / mm <sup>2</sup> (ASTM D 790)	3000 ± 200	Tensile Strength in 7 days, N / mm <sup>2</sup> (ASTM D 638)	≥ 30

\* Depending upon surface condition.

## Application

Used as primer on concrete surface prior to the application of ShaliWrap fabrics.

## Advantages

- Applied even on damp surfaces between 8 - 10% moisture.
- Facilitates better bonding of wrapping systems with the substrate.
- Excellent application behavior on the vertical and overhead surface.
- Seals porous surface to give quality finish.

## Application Methodology

### ➤ Surface Preparation

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove old painting using surface grinder.
- Repair all blow holes, voids and surface leveling with epoxy adhesive mortar **ShaliBond® 41** or **ShaliBond® 51**.
- Cracks more than 0.25 mm should be injected with low viscous epoxy injection resin **ShaliGrout® EI**.
- Ensure that concrete must be cured at least 7 days.

### ➤ Material Preparation

- Mix **ShaliBond® GCW 340** component A (Resin) & B (Hardener) thoroughly by using speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 600 rpm till homogeneous mix is obtained. Then add component B (Resin) slowly, ensuring complete dispersion.
- After stirring, wait for the product to settle in order to let entrapped air escape.

### ➤ Application of Material

- Apply **ShaliBond® GCW 340** by brush / roller on the prepared surface.
- Ensure that **ShaliBond® GCW 340** is allowed to dry for 6 - 8 hours or left overnight for drying.
- Refer to the method statement of ShaliWrap application.

### Limitations

- Do not apply **ShaliBond® GCW 340** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75%.
- Do not apply **ShaliBond® GCW 340** to asphalt, weak or infirm concrete, unmodified sand / cementscreeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.

### Health & Safety

- Avoid swallowing and contact with skin / eyes.
- In the unlikely event of contact with skin, rinse with plenty of clean water and then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- If swallowed, seek medical attention immediately. Do not induce vomiting.
- Ensure adequate ventilation and avoid inhalation of vapors.
- Wear suitable protective clothing, gloves and eye protection during application.

### Packing

Available in 3 Kg unit pack consist of Comp. A - 2.4 kg and Comp B - 0.6 Kg.

### Storage

Store in a cool dry place under shed, away from heat.

### Shelf Life

12 months in original unopened sealed condition.



**STP Limited**  
*Enhancing Structures' Life*

### Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
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