



### HIGH BUILD SURFACE TOLERANT ANTI CORROSIVE COATING

Zahabiya **CORROEX HB90FG** is a versatile, high solid, potable water safe, high performance epoxy based anticorrosive coating with excellent surface tolerance properties. The coating has rapid cure properties, even at low temperatures making it ideal for application in variety of atmospheres. Its unique surface tolerant properties makes it ideal for use in applications where the surface cannot be sand blasted cleaned or where there are traces of rust on the surface (no loose rust). It also provides good adhesion on damp or humid surfaces.

CORROEX HB90FG finds its applications in a variety of commercial, industrial and marine applications where outstanding water and corrosion protection is required.

CORROEX HB90FG can be used for applications requiring contact with potable & drinking water.

#### TECHNICAL & PHYSICAL PARAMETERS:

	<u>VALUE</u>	<u>TEST METHOD</u>
Color A	White, Grey etc.	Visual
Hardener Color B	Reddish Brown	Visual
Base A Density, g/cm <sup>3</sup>	1.63 ± 0.1	ASTM D-1475
Hardener B Density, g/cm <sup>3</sup>	0.97 ± 0.1	ASTM D-1475
Mixed A + B Density, g/cm <sup>3</sup>	1.53 ± 0.1	ASTM D-1475
Mixing Ratio by Volume A : B	3 : 1	Calculated
Volume Solids	85% ± 3%	Calculated
Pot Life @25°C	1 hour	Observed
Touch Dry @25°C	4 hour	Observed
Tack Free @25°C	7 hour	Observed
Deep Dry @25°C	12 hour	Observed
Heat Resistance 1 hr @ 160°C (after 2 hours of application)	No Blistering, No Cracks, No Sag	Visual



**Zahabiya**

## **CORROEX HB90FG**

HIGH BUILD SURFACE TOLERANT ANTI CORROSIVE COATING

### **SURFACE PREPARATION:**

#### **a) METALS:**

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surface should be assessed and treated in accordance with ISO 8504:2000. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Abrasive blast clean to Sa2 (ISO 8501-1:2007) in case of rusted surface. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner. Surface profile must be a minimum of 50 microns.

Weld seams and damaged areas should be cleaned to a minimum St3 (ISO 8501-1:2007). Optimum performance will be achieved with blasting to Sa2½ (ISO 8501-1:2007).

#### **b) CONCRETE / PLASTER:**

In case of new concrete / plaster, wait for 28 days before the application since drying of surface is critical. Moisture level must be less than 4% and pH <9. Surface must be free of laitance and honey comb. Machine grinding is preferred. Old surface if painted before must be checked for old paint strength. Any loose paint must be removed and all uneven surface must be levelled/ repaired with epoxy screed or good quality repair mortar (do not apply any weak filling material). Oil, dust or any loose material must be properly cleaned and prepared.

### **MIXING AND HANDLING:**

Mix ratio is 3:1 by volume. Mix mechanically for 4-5 minutes to get a homogenous coating. Electrical mixer is preferred but can also be mixed manually by any rod. Wear mask and other personal protective equipments.

### **APPLICATION:**

Can be applied by brush, short hair roller or by air-less spray. Two coats at 100µm wet are recommended. Where higher degree of protection is required, multiple coats may be applied at the interval of 24 hours.

### **COVERAGE:**

Theoretical Coverage: 8.5 m<sup>2</sup>/litre for 100micron dry film thickness.



**Zahabiya**

**CORROEX HB90FG**

HIGH BUILD SURFACE TOLERANT ANTI CORROSIVE COATING

**STORAGE:**

Store at 15-35°C in a dry place. The product is flammable and should be stored away from direct heat and source of flame. After use, tightly reseal all containers. The product may show settling during storage. Mix well before use.

**SAFETY HANDLING:**

Work in well-ventilated areas using gloves, eye protection, and clothing protection. Avoid contact to the skin and eyes. Avoid clothing contamination. Wash thoroughly after handling. These products may cause skin and respiratory allergic reactions. Consult Safety Data Sheets (SDS) for complete health and safety information.

**SHELF LIFE:**

Use within 2 years of manufacturing.

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME; NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.