

## ACF EPO WC

2 Component Epoxy high solids wall coating

### Description

ACF EPO WC is two components high solids coating for walls. This coating may be applied on concrete surface and Steel surface (Not recommended for reinforcement steel). This coating is not UV resistance hence cannot be applied on exterior surface.

The cured surface is hard and gives smooth finish. It is joint-less and hence will not support bacterial growth. It resists abrasion and can easily be cleaned.

### Properties

Pot life @ 30 °C	30 minutes
Time between coats,	8 – 12 Hrs
Adhesion to concrete	Excellent
Tack Free time	4 – 6, hrs
Water absorption	Nil
DFT	100 microns
Curing Time	
• Touch Dry	4 - 5 hrs
• Full Cure	7 days

Theoretical Coverage 200 – 250 gms/sqmtr in two coats (Depending upon surface condition)

### Application

- Area requiring hygienic monolithic walls like pharmaceutical Industries, operation theatres & corridors in hospitals and nursing homes, laboratories, bottling plants, dairies & breweries, food processing – fisheries, meat processing, pickles etc.
- Walls in, computer and control panel rooms
- Walls in industries mainly aerospace / airport hangers / electric and electronic Industries / picture tube manufacturing plants / textile mills / portable water and food storage.
- Walls in automobile workshops
- On steel surface (Interior only)

### Advantages

- Prevents bacterial growth besides being easy to clean.
- Provides smooth monolithic surface when coated on metallic surface

### Application methodology

#### Application Methodology (Concrete)

##### 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 cracks with epoxy putty.
- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%

##### Priming

- Ensure that the surface is being prepared properly
- The surface must be primed with **ACF EPO PRIMER HB** only
- Allow the primer to cure before coating with Top Coat

### **Mixing and Application**

- Pour the Component A into clean container.
- Add component B slowly into the container containing Comp B slowly whilst mixing
- Mix the mixture for about 3 – 5 minutes or till homogeneous mix is achieved.
- After ensuring the mix is homogeneously mixed, apply on to the surface using epoxy roller or by brush
- Allow the first coat to cure for 8 – 12 hours before coating with second coat (drying time will depend on ambient temperature)
- After the first coat is dried, apply second coat.

### **On metal surface:**

- The surface to be coated must be treated in accordance with normal steel surface preparation procedures
- After proper surface preparation, the surface must be cleaned to make dust free.
- On to the dust free surface apply suitable anticorrosive primer.
- Allow the coated primer to cure.
- After ensuring that the primer is dry, apply ACF EPO WC in two coats
- Coating may be applied by brush, roller or airless spray.

### **NOTE:**

- The product is ready to use. Do not add any solvent to dilute.

### **Limitations**

- Do not apply on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- Do not install at surface temperature < 10 °C or > 45 °C.
- In common with all epoxy materials some light shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance.

### **Cleaning**

- Clean all tools immediately after use with xylene. Do not allow material to harden.
- Hardened tools may be discarded as per local norms

### **Packing**

Available in 20 kg units consisting of Comp A and Comp B

### **Storage**

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

### **Shelf Life**

12 months in original unopened sealed condition when stored as mentioned above.

## Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
  - Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
  - Wear suitable protective clothing, gloves and eye protection.
  - 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.
  - In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
  - If swallowed seek medical attention immediately - do not induce vomiting.
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*Note: The initial controls of our product are made during the production phase. We guarantee the quality of our products. All recommendations and instructions on the data sheet are generally based on our experience. Please contact us for applications on special surfaces are not mentioned in the datasheet. Our company reserves the right to update the information on the data sheet in case of technical needs without notice.*

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