



Buildcoat-EPT (2K Solvent Free Tar Modified Epoxy Coating for Waterproofing Applications)

Buildcoat-EPT is a two pack solvent free polyamide cured high solid coal tar epoxy coating for the protection of pipes, storage tanks, concrete, containers, structural steel and fibre reinforced cement structures against sewage water, sea water and various chemicals.

Features: It is fast curing coating to be applied with brush or roller especially when applied to preheated substrates. It has good abrasion resistance and excellent adhesion to various substrates, non-permeable elastomeric membrane. Fully cured film is resistant to fuel, oil, crude oil, sea water, etc.

Uses: Underwater areas, in cargo tanks, sewage disposal plants, tidal and splash zones etc. It carries long life protection of steel and concrete in severely corrosive marine and industrial environment applications.

Advantages:

- Solvent free, easy to use by brush, roller, or spray guns, and easy to use for many applications
- Fast curing helps accomplish the job of recoating without long wait for curing
- Resistant to chlorides & sulphates usually present in the soil
- Non-flammable, non-toxic, and environment friendly

Directions for use:

Surface Preparation: All surfaces should be clean, dry and free from contamination. For **bare steel** abrasive blast cleaning to Sa3 is recommended. Power tool cleaning, for small area preparation, may be acceptable to St2, depending on exposure conditions. For **coated surfaces**, clean, dry and undamaged compatible primer coat is necessary for further painting. **Concrete Substrates** should be mechanically prepared by bush grit blasting, etc., to produce a clean, exposed aggregate finish, free from dust, oil, grease, paint, laitance etc. to provide a 'key' for the **Buildcoat-EPT**.

Mixing: Stir well both the components into the same container separately, and then pour part B into the container of Part A, and mix well slowly with jiffy mixer for 1-2 minutes.

Application: Apply the mixed material on the surface using brush or roller or airless spray @ 300 micron per coat. A second coat is applied at right angle after the first coat is fully dry. It is recommended to apply two coats of **Buildcoat-EPT** to get a dry film thickness of 600 micron (approx). Embed glass fibres mesh around pipes, over cracks, ridges of the roof, joint movements, corners & edges, gutter channels, etc. A third coat may be applied where pedestrian traffic is expected.

Working Time: Approximately 15 minutes at 25⁰C

Curing:

Buildcoat-EPT applications are epoxy based products and in common with all such materials, must be cured in accordance with curing practice. It is recommended to leave the first coat of application for 3-4 hours before the application of second coat and the same way subsequent coats if required.

Typical Properties:

Appearance	: Black / Dark Brown
Specific Gravity	: 1.4 ± 0.05
Volume Solid	: 96 ± 2% (ASTM D2697)
Spreading Rate	: 3-4 m ² / litre
Recommended DFT	: 300 – 400 microns

Pack Size: 20 kg (15 kg hardener, 5 kg base)

Storage:

Buildcoat-EPT should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head, protect from freezing and keep out of direct sunlight.

Shelf Life:

18 months if stored in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.

Handling:

Buildcoat-EPT is a non-flammable and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation. Splashes of **Buildcoat-EPT** should be washed off immediately with clean water. Wear necessary gloves and dust mask.



BUILD PLUS
CONSTRUCTION CHEMICALS

Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a GMC Management System to conform to the requirements of the quality, environmental, health & safety Standards.

Health & Safety Precautions:

As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and air mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable air mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well ventilated area. This as industrial product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.

----- Buildcoat-EPT -----



Manufactured in the U.A.E by:
Gulf Minerals and Chemicals L.L.C
P.O. Box: 22323, Sharjah, U.A.E
www.buildplus-gmc.com

Build Plus Construction Chemicals GmbH
Koblenzer Strabe 33
56321 Rhens , Germany
info@buildplus-gmc.com