



ENIROOF EMB®

HIGHLY ELASTOMERIC WATERPROOF COATING

DESCRIPTION

ENIROOF EMB® is a scientific blend of synthetic resins, selected minerals and fillers. ENIROOF EMB® is a protective and waterproof coating. It is a high performance coating that dries to elastic, flexible, impermeable waterproof membrane.

ADVANTAGES

- Easy and direct (cold applied) application, no pre heating required.
- Seamless, no joint.
- Provides an impervious waterproofing membrane that protects concrete structure and brick foundations against chloride and sulphate ions present in soils and water.
- Corrosion resistant and vapor barrier.

RECOMMENDED USES

- Useful as protective coating on concrete and brick foundations, retaining walls, timber, metals, etc.
- Provides a sandwich membrane in new construction and surface treatment on existing slabs.
- Damp – proofing of regular surfaces like concrete and asbestos.
- Provides a key for plaster on difficult surfaces.
- For waterproofing and protection of structure, Concrete, columns and beam

TECHNICAL DETAILS

APPEARANCE	: Brownish black Paste
ELONGATION	: >1000 % ASTMD522-93A
SPECIFIC GRAVITY	: 1 to 1.08
TENSILE SET RECOVERY	: 95% ASTM D 2370
TEAR RESISTANCE	: 28 KN/M ASTM D 2794-93
SOLIDS CONTENT BY WEIGHT	: 53.5% ASTM D1644-01
SOFTENING POINT	: Up to 120°C. If Exposed to direct sunlight.
FLASH POINT	: NA
BONDING STRENGTH	: 3.3 Kg/Sqcm
PERMIABILITY	: NIL IS:2645-1975
FLAMIBILITY & TOXICITY	: 0.95 ± 0.01
CRACK BRIDGING CAPACITY	: > 3mm ASTM C 836

SURFACE PREPARATION

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated.

Apply one coat of ENIROOF EMB® PRIMER, diluting 1kg ENIROOF EMB® with 2lt water, on well-prepared surface. ENIROOF EMB® should be stirred well before use. It is recommended that 1 – 2 coats should be applied depending upon the degree of protection required after the primer coat. Brush, roller or sprayer can apply ENIROOF EMB®.

METHOD OF APPLICATION

After the primer coat is completely dried apply two coats of ENIROOF EMB®. It is recommended to apply the 2nd coat after the 1st coat is totally cured. For better results use GLASS FIBRE REINFORCEMENT embedded into 1st coat of ENIROOF EMB® while still wet. ENIROOF EMB® could be diluted up till 15 – 25 % for 1st coat and 10 – 15 % for 2nd coat to make material workable and get the desired coverage. All brushes and tools should be cleaned by water immediately after use.

COVERAGE

Primer Coat
8-10 Sqmtr/Kg/Coat
Final Coats
METALLIC SURFACE: 4-6 Sq Mtr./kg/coat
CONCRETE SURFACE: 3-5 Sq Mtr./kg/coat
(Depending on the porosity of the surface)

SAFETY

ENIROOF EMB® is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

INHALATION: Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

PACKING

ENIROOF EMB® is available in 4 Kg Plastic bucket, 20 kg pails and 200 kg plastic drums.

Technical Support:



& Polymertech UK Ltd.
CN-07468396
United Kingdom

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For further assistance kindly mail us : support@starcoating.in

Marketed By:



Star Coatings & Membranes Pvt. Ltd.

New Delhi-110025, visit us at : www.starcoating.in, E-mail: info@starcoating.in



(ISO 9001:2000)