

POXEECOTE EPS

ELASTOMERIC CHEMICAL RESISTANT EPOXY POLYSULPHIDE COATING



DESCRIPTION

POXEECOTE EPS is a 100% reactive, solvent free, two component, epoxy polysulphide coating to yield a tough but flexible coating for waterproofing. **POXEECOTE EPS** has excellent chemical and abrasion resistance.

BASIC USES

Primarily designed as a protective coating against a range of chemicals, oils, and almost all types of water. Can be used as a protective coating for concrete and steel tanks and silos and other surfaces subjected to chemical attack and / or wherever corrosion resistance and abrasion resistance is required. Can be used in potable water tanks, manholes, sewage tanks, etc.

ENGINEERING DATA

Finish	: Semi - gloss
Solids by volume	: 100%
Dry to touch	: Approx. 24 hours at 20°C
Fully cured	: 7 days after application
Pot life	: 1 hour at 20°C
Recoat Interval	: 24 hours minimum at 20°C 7 days maximum at 20°C
Airless spray Application	: Nozzle orifice Application 0 .019" -0.023" This Data is for indication only
Clean up	: Tools and equipment may be cleaned with xylene or aromatic solvents
Tensile Strength (ASTM D412)	: 12MPA
Elongation (ASTM D412)	: 30%
Service Temperature	: -30 to 70°C
Abrasion Resistance:	
(ASTM D4650: CS10 wheel 1000 grams)	
100 cycles	10 -20mg
500 cycles	70 - 75 mg
1000 cycles	90 -110 mg
Bond Strength (with Elcometer)	: 2.5 MPA
Shore D Hardness	: 32(ASTM D2280)
Shore A Hardness	: 90(ASTM D2280)

CHEMICAL RESISTANCE

Acetic Acid, 5%	.....	.good
Alkalies	.....	.excellent
Ammonia	.....	.excellent
Battery Acid	.....	.excellent
Hydrochloric Acid 10%	.....	.good
Methylene Chloride	.....	.poor
Salt Water	.....	.excellent
Oil	.....	.excellent
Ethylene Glycol	.....	.excellent
Sewage Water	.....	Excellent

SPECIFICATION /COMPLIANCE:

POXEECOTE EPS passes the requirements of BS 6920, Part 1 - 1988 and certified to be suitable for use in contact with potable water

SURFACE PREPARATION

Surfaces must be structurally sound, dry, clean and free from oil, dust, curing compounds, grease, and other loose particles. Suitable methods for preparing concrete are by sand blasting, acid etching, water jet, grinding, wire brushing or pneumatic tools. For steel, abrasive blasting is recommended.

NEW CONCRETE SURFACES

The concrete should be 28 days cured. Laitance should be removed by light sand blasting or grinding where possible. Substrate should not give a hygrometer reading that exceeds 75% R.H. When it is tested for its moisture content in accordance with BS 8203 Appendix A. Acid etching can be utilized to remove light laitance followed by thorough washing with water. Ensure the complete removal of salt produced by acid etching prior to application. Vacuum cleaning is recommended. Allow to dry. Please consult with CMCI's Technical Department for unusual concrete surfaces.

OLD CONCRETE SURFACES

Removal of all contamination should be carried out by grinding, blasting or scabbling. Prior to application it is essential that the concrete surface is sound and clean.

REPAIRS

Surfaces with blowholes and imperfections shall be levelled with Cemtec R44, an epoxy based void filler. Concrete surfaces with deep holes shall be repaired with CEMTEC EPOMORT 100 or REPCON EPOXYGEL.

COVERAGE	The coating shall be applied in multiple coats at a minimum required thickness of 500 microns, as a concrete protective coating. POXEECOTE EPS would cover 2 square metres per liter at a dry film thickness of 500 microns.
PACKAGING	10 liters, and 20 liters kits.
COLOR	Grey, Light grey and available upon request

MIXING /APPLICATION

The hardener (part B) is added to the resin (part A) and mixed thoroughly until homogeneous (at least 3 minutes). Let stand for at least five minutes prior to application. **POXEECOTE EPS** can be applied by brush, roller or airless spray. For non-slip surface use **CEMTEC NON-SLIP AGGREGATE**, or fine sand to be broadcast on the epoxy surface while still wet. Allow to cure for at least 24 hours and finally top with very thin coat.

SHELF LIFE:

POXEECOTE EPS has a shelf life of 1 year if stored in dry conditions and at temperature below 40°C in the original and unopened containers.

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.

"High Quality Construction Chemicals"
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