

**DESCRIPTION**

PENNSEALER EE-CT is a single component, waterbased, cationic, coal tar epoxy sealer / coating. Specially designed urethane modified epoxy polyelectrolyte emulsion offers unique interactive technology to this compound, which upon cure, produces a tough, durable and protective coating to the treated surface.

**FEATURES**

Excellent chemical resistance  
Excellent corrosion resistance  
Excellent protection to underground structures  
Good abrasion resistance  
Excellent adhesion to concrete, metal, and other common building materials  
Excellent penetration into cracks even hairline cracks

**SPECIAL FEATURES**

**INTERACTIVE TECHNOLOGY:** The interactive nature of the emulsion allows it to react on contact with the alkali environment of the concrete and soluble salts such as chloride and sulphate ions, by forming an insoluble polymer gel which continues to cure with the rest of the material in film form, thus becoming an integral part of coating itself

**MOISTURE TOLERANT:** Moist and wet surfaces can be treated (no standing water). This material usually requires nominal surface preparation by removing dirt, dust, debris by sweeping and / or power washing.

**EXCELLENT WATER VAPOR PERMEABILITY:** Unlike most epoxies, this non-penetrating sealer / coating shows an exceptionally high water vapour permeability which, coupled with low water absorption and low chloride penetration, makes it suitable for wide range of applications over different surfaces including those where it is vital that a sealer be able to allow the passage of water vapour out of the substrate (concrete). Otherwise, trapped water may cause problems such as spalling.

**EASY APPLICATION:** Single component and very low viscosity of this material coupled with good surface wetting and reduced surface tension properties allows for easy and reliable application by using simple tools such as brushes, squeegees, rollers and sprayers. This assures a continuous and thorough surface coverage including good penetration through fine hairline cracks.

**ENVIRONMENTALLY COMPATIBLE AND APPLICATOR FRIENDLY:** This waterbased material is environment friendly, has low application odour and is very easy to apply without the need for special tools or equipment.

**RECOMMENDED USES**

As a protection to concrete, asphalt covered decks, masonry walls and other surfaces, from ingress of chloride ion and other salts, acids, alkalis, water absorption, freeze thaw scaling, damage from petroleum products and other contaminants In chemical plants and sewage treatment facilities as a maintenance coating subjected to aggressive environment (chemicals and fumes).

Used as a tie coat for aggregated epoxy or urethane systems.

As a dustproof, abrasion resistant sealer for exposed concrete including industrial and commercial applications.

**LIMITATIONS**

Being an emulsion PENNSEALER EE-CT must be kept from freezing and can not be applied at temperatures at or below freezing point.

Not recommended for continuous immersion in aromatic solvents, ketones and strong oxidizing acids.

This material is not suitable for use in contact with potable water.

**PHYSICAL PROPERTIES & DATA**

<b>Solids</b>	25%
<b>pH. at 70°F</b>	6.8
<b>Brookfield Viscosity cps</b>	30-90 cps
<b>Penetration</b>	< 10 mils
<b>Min / Max Service Temperature</b>	-17°F to 284°F
<b>Dry film thickness at theoretical application rate of 100 sq.ft./gallon</b>	5 mil
<b>Environmental Resistance</b>	Excellent resistance to salts, acids, alkali, fungi, bacteria and most common solvents Including water, salt water and waste water.

**SURFACE PREPARATION**

Remove all loose material, dust, dirt and grease. Surface must be clean with no standing water. The presence of moisture in the substrate (such as concrete not fully cured) will not be detrimental to the performance of this product. Consult PennKote for details not outlined in this section.

**APPLICATION**

By spraying, roller or squeegee brush . Conventional airless spray or low pressure sprayers may be used This is a single component material and needs no mixing or blending. It may however, be advisable to stir each unit opened prior to use to ensure no settlement has occurred or separation of the material due to prolonged storage.

**CURING & DRYING**

Allow material to cure until dry at ambient temperature of 38°F or higher. Curing times will be affected by relative humidity, temperature and air flow. The following times will vary with conditions present on job at time of application, applied at standard coverage rates. The rates below should be used as guidelines only!

Tack Free Film	30 min. to 1.5 hour
Light Traffic	24 hours
Normal Traffic	48 hours or less
Full Cure	7 days

**CLEAN-UP**

Uncured material can be cleaned using light soap and water. Cured material is best removed by mechanical means.

**STORAGE & HANDLING**

Keep containers tightly sealed. Store in temperature ranging from 35°F to 90°F. Keep from freezing!

**SHELF LIFE**

Indefinite in original sealed properly stored container. Some settling may occur, stir before using

**PACKAGING**

1 gallon, 5 gallon and 45 gallon drum.

**PRECAUTIONS**

Keep out of the reach of children. This material contains small amount of volatile component. Use in ventilated areas. Avoid exposure, including direct contact with skin. Do not swallow or inhale. Should any adverse effects occur, remove subject from area immediately. Wash any contaminated skin with water and introduce fresh air. Contact a physician. Additional information contained on WHMIS label and Material Safety Data Sheet. Contact PennKote for further information.

**TECHNICAL ASSISTANCE**

Please contact PennKote for specific details and / or data not outlined in this literature. PennKote will provide technical assistance from preliminary design through to product application upon request.

**WARRANTY**

PennKote Ltd. warrants its products against manufacturing and material defects. PennKote will, for a period of two years from the date of application, supply replacement material for product proven to be defective. This warranty is in lieu of any and all other warranties expressed or implied. Pennkote Ltd. and any Distributor or Retailer of this product accept no liability for incidental or consequential damage due to defective material or improper installation. The user shall determine the suitability of this product for intended use.