

# TAPECOAT ENVIROCOAT SYSTEM

## Environmentally Safe Petrolatum

TC® Envirocoat® is a VOC-free family of petrolatum-based anticorrosion products that can be applied to wet or dry surfaces for above and below ground steel pipes and hard to wrap flanges and fittings. These nontoxic coatings are also an economical solution for encapsulating toxic lead-based paint.



TC Enviroprime is a field proven petrolatum based primer that exhibits preferential wetting capabilities to readily coat wet or dry surfaces and cavities prior to the application of TC Envirocoat products.



TC Envirotape coating is a prefabricated petrolatum tape designed to protect wet or dry irregularly shaped metal surfaces. It is ideal for coating valves, flanges, fittings, vaults, manholes and tunnels or areas where continuous moisture levels make normal coating material difficult or impractical to apply.



TC Flangecoat, a thixotropic material, is designed to protect flange faces and bolts indefinitely, while allowing easy reentry. It may be applied to new or worn flange surfaces of steel, aluminum or glass.

TC Enviroprime

TC Envirotape

TC Enviroseal Mastic

TC Flangecoat

TC Envirostretchwrap

TC Flo-Coat



## TC Enviroprime

**TC Enviroprime** is a petrolatum based primer exhibiting preferential wetting capabilities to coat wet or dry surfaces and cavities prior to applying of TC Envirocoat products.

**Color: Yellow**  
**Specific Gravity: 0.8 - 0.9**  
**Thickness: Apply to 2 mils minimum**

Apply by hand to assure preferential wetting of the surface above or below the water line to a minimum thickness of 2 mils (.002").

## TC Envirotape

**TC Envirotape** is a prefabricated petrolatum coating in tape form designed to protect wet or dry irregularly shaped metal surfaces. Ideal for valves, flanges, fittings, vaults, manholes and tunnels or other areas where continuous moisture levels make normal coating material difficult to apply.

**Color: Tan**  
**Thickness: 50 mils minimum**  
**Bacteria Resistance: Excellent**  
**Low Temperature (ASTM D-1737): Excellent**  
**Operating Temperature: 150°F (65°C)**  
**Shelf Life: Rotate stock yearly**

Tape is wrapped around the irregular shape and hand molded to conform to the shape of the surfaces being coated. The finished coating will be over wrapped with TC Envirostretchwrap for below ground or TC Enviroseal Mastic for above ground applications.

## TC Enviroseal Mastic

**TC Enviroseal Mastic** is a specially formulated polymer emulsion that provides a protective outer shell or top-coating suitable for both industrial and commercial settings. Recommended for above-ground applications in refineries, petrochemical plants, pulp mills, gas and water utilities, and other facilities where TC Envirotape is used.

**Color: White or gray**  
**Thickness: Apply to 20 mils (wet), 12 mils (dry) minimum**  
**Shelf Life: 2 years from date of manufacture**

Apply to TC Envirotape or TC Enviromastic surface to seal the petrolatum. Apply a thin even coat and allow a 12 hour drying/curing time before painting with a color topcoat. If no topcoat is required, a second coat of TC Enviroseal Mastic can be applied within 20 minutes to provide UV protection.

## TC Flangecoat

**TC Flangecoat** is a thixotropic material designed to protect flange faces and bolts indefinitely, while allowing easy reentry. It may be applied to new or worn flange surfaces of steel, aluminum or glass.

**Color: Gray**  
**Specific Gravity: 1.3**  
**Solids content: 100%**  
**Application Temperature: Above 20°F**  
**Operating Temperature: -40 to 180°F**  
**Shelf Life: Rotate stock yearly**

Trim the cartridge tip for desired bead and puncture seal. Apply TC Flangecoat around edges of flange. Punch insert/exit holes between all flange bolts. Insert cartridge tip through hole and pump TC Flangecoat until coating flows over bolts on both sides. Repeat until the space between the flanges is filled. Remove TC Flangecoat and smooth out TC Flangecoat. Cover the flange edges with Tapecoat H35 Gray or TC Envirotape if the entire flange area is to be coated.

## TC Envirostretchwrap

**TC Envirostretchwrap** is a clear flexible plastic film designed to provide extra mechanical protection for surfaces coated with TC Envirotape. It may be used below ground in industrial and commercial settings such as refineries, petrochemical plants, pulp mills and gas and water utilities.

**Color: Clear**  
**Thickness: 1 mil (.001")**  
**Application Temperature: Above 20°F (-6°C)**  
**Operating Temperature: -40 to 165°F (-40 to 73°C)**

Apply to conform to TC Envirotape-wrapped surface for additional mechanical strength prior to back filling.

## TC Flo-Coat

**TC Flo-Coat** is a viscous, highly effective filler for voids and irregular contours. It is recommended for use on surfaces where voids and irregularities need to be filled or coated to prevent deterioration.

**Color: Gray**  
**Specific Gravity: 1.3**  
**Application Temperature: 0° to 120° F**  
**Operating Temperature: -40°F to 150°F**  
**Thickness: Apply to 20 mils minimum**  
**Shelf Life: Rotate stock yearly**

Apply by hand, trowel, caulking gun or special pumping equipment to fill irregular contours or voids.



## Basic Use

## Technical Info

Standards: ANSI/AWWA C-217

## Application