



FARWEST CORROSION CONTROL COMPANY

Toll Free (888) 532-7937 (310) 532-9524
 US & Canada National HQ

MY CART CHECKOUT MY WISHLIST MY ACCOUNT LOG IN

Contact Us Locations Request for a Quote Share This Page

Home Products Marine C.P. Engineering C.P. Installation

Search Farwest Website...

Home > Tapecoat TC Mastic

Description	Application	Technical Data	Case Packaging																																																										
<p>Description</p> <p>TC Brush Applied MASTIC is a thixotropic brush applied coal tar coating for ambient temperature, below grade application. A time proven coating method for applying corrosion protection to metal fittings, flanges, valves, tanks, mechanical couplings, anode connections and other difficult and irregular configurations, excellent for small hole technology.</p> <p>It is also designed to protect concrete surfaces from adverse environments. TC Brush Applied MASTIC is easy to apply by brush or rubber glove. As a liquid it is highly conformable and resists drips and sags.</p> <p>The more it is brushed the more flowable it becomes.</p> <p>Application</p> <p>Recommended Application Apply two coats of mastic at 12 mils each. The mastic should be brushed or worked with a rubber glove to allow the solvents to release. Work in a well ventilated area. Recommended eight hours as a minimum time until backfill.</p> <p>Option: TC Reinforcing Scrim, a polyethylene wrap, can be applied over the mastic or between mastic layers, giving the coating added strength and impact resistance and acting as a secondary barrier if the mastic has not completely hardened prior to backfill.</p> <p>Surface Preparation</p> <p>Prior to coating application the surface should be clean, dry, free of oil, grease, rust, scale and loose coating.</p> <p>Composition</p> <p>LOW VOC, Rating 327g/l, Solids 51.47% Meets or exceeds the VOC regulations for all states excluding California and parts of Arizona.</p> <p>RESISTANT TO A WIDE VARIETY OF CHEMICALS TC Mastic is ideal protecting many areas that are exposed to chemical spills, fumes and splash zones. (<i>Consult the Chemical Resistance Chart</i>)</p> <p>Technical Data</p> <table border="1" data-bbox="435 1392 867 1587"> <thead> <tr> <th colspan="2">System Description</th> </tr> </thead> <tbody> <tr> <td>Color</td> <td>Black</td> </tr> <tr> <td>Material</td> <td>Coal Tar and Solvents</td> </tr> <tr> <td>Bonding System</td> <td>Colvent Drying</td> </tr> <tr> <td>VOC Rating Volatile Organic Compounds</td> <td>327 g/l, Solids 51.4%</td> </tr> </tbody> </table> <table border="1" data-bbox="302 1665 1002 1963"> <thead> <tr> <th colspan="6">Chemical Resistance Chart</th> </tr> <tr> <th colspan="2">ACIDS</th> <th colspan="2">ALKLI</th> <th colspan="2">OTHER</th> </tr> </thead> <tbody> <tr> <td>Acetic Acid</td> <td>5%</td> <td>Ammonium Hydroxide</td> <td>10%</td> <td>Ammonium Nitrate</td> <td>2%</td> </tr> <tr> <td>Citric Acid</td> <td>10%</td> <td>Potassium Hydroxide</td> <td>2%</td> <td>Ammonium Nitrate</td> <td>10%</td> </tr> <tr> <td>Hydrochloric Acid</td> <td>2%</td> <td>Potassium Hydroxide</td> <td>10%</td> <td>Chlorine Water</td> <td></td> </tr> <tr> <td>Hydrochloric Acid</td> <td>10%</td> <td>Potassium Hydroxide</td> <td>50%</td> <td>Salt Water</td> <td></td> </tr> <tr> <td>Hydrochloric Acid</td> <td>40%</td> <td>Sodium Hydroxide</td> <td>2%</td> <td>Diethanoamine</td> <td></td> </tr> <tr> <td>Lactic Acid</td> <td>85%</td> <td>Sodium Hydroxide</td> <td>10%</td> <td>Ferric Chloride</td> <td></td> </tr> </tbody> </table>				System Description		Color	Black	Material	Coal Tar and Solvents	Bonding System	Colvent Drying	VOC Rating Volatile Organic Compounds	327 g/l, Solids 51.4%	Chemical Resistance Chart						ACIDS		ALKLI		OTHER		Acetic Acid	5%	Ammonium Hydroxide	10%	Ammonium Nitrate	2%	Citric Acid	10%	Potassium Hydroxide	2%	Ammonium Nitrate	10%	Hydrochloric Acid	2%	Potassium Hydroxide	10%	Chlorine Water		Hydrochloric Acid	10%	Potassium Hydroxide	50%	Salt Water		Hydrochloric Acid	40%	Sodium Hydroxide	2%	Diethanoamine		Lactic Acid	85%	Sodium Hydroxide	10%	Ferric Chloride	
System Description																																																													
Color	Black																																																												
Material	Coal Tar and Solvents																																																												
Bonding System	Colvent Drying																																																												
VOC Rating Volatile Organic Compounds	327 g/l, Solids 51.4%																																																												
Chemical Resistance Chart																																																													
ACIDS		ALKLI		OTHER																																																									
Acetic Acid	5%	Ammonium Hydroxide	10%	Ammonium Nitrate	2%																																																								
Citric Acid	10%	Potassium Hydroxide	2%	Ammonium Nitrate	10%																																																								
Hydrochloric Acid	2%	Potassium Hydroxide	10%	Chlorine Water																																																									
Hydrochloric Acid	10%	Potassium Hydroxide	50%	Salt Water																																																									
Hydrochloric Acid	40%	Sodium Hydroxide	2%	Diethanoamine																																																									
Lactic Acid	85%	Sodium Hydroxide	10%	Ferric Chloride																																																									

Linseed Oil Fatty Acid		Sodium Hydroxide	50%	Gasoline	
Nitric Acid	2%			Glycerin	
Nitric Acid	10%			Hydrogen Peroxide	3%
Nitric Acid	70%	SOLVENTS		Jet Fuel JP-4	
Phosphoric Acid	2%	Butanol		Motor Oil	
Phosphoric Acid	10%	Ethanol		Phenol	
Phosphoric Acid	85%	Mineral Spirits		Sodium Chloride	10%
Sulfamic Acid	1%	VM&P Naptha		Sodium Chloride	20%

Case Packaging

Coating Material
 Coverage (Approx.) 80 square Feet per Gallon

Quantity	Per Case
One Gallon	4 Units
Five Gallon Pail	1 Unit



8 Warehouse/Office Locations Nationwide
Call Toll Free (888) 532-7937 (U.S and Canada only)
Call our National Headquarters (310) 532-9524



© Copyright 2012 Farwest Corrosion Control Company. All Rights Reserved.

THE TAPECOAT COMPANY

MATERIAL SAFETY DATA SHEET

Provided by: **The Tapecoat Company**
1527 Lyons Street
Evanston, IL 60204
Phone: 847-866-8500

This form is designed to meet the requirements of the U.S. Labor Department OSHA form no.174.

SECTION I - PRODUCT IDENTIFICATION

Product Name: **TC-Mastic, Brush Applied**
 Producer: Tapecoat/Royston Pipeline Products Telephone: 847-866-8500
24-Hour Emergency Assist: Chemtrec Telephone: 800-424-9300

Chemical Name: N/A
Chemical Family: Bitumen
Formula: N/A

HMIS/NFPA HAZARD RATINGS:	
Health Hazard:	2
Flammability Hazard:	3
Reactivity Hazard:	0

SECTION II - HAZARDOUS COMPONENTS

Ingredient (CAS No.)	Weight %	Vapor Pressure mm Hg 20°C	SARA 313 List	LD50	LC50
Parachlorobenzotri-flouride (PCBTF) (98-56-6)	20-30	5.3 mm @ 20 C	no	>6.8 g/kg rat, oral	4479 ppm rat
Coal Tar Pitch [Bitumen] (65996-93-2) (8007-42-2)	30-50	N/A	no	6.2 g/kg rat, oral	17 mg/m3 rat
Toluene (108-88-3)	20-30	22 mm @ 20 C	yes	636 mg/kg rat, oral	49 g/m3 rat

Epoxy Resin (25036-25-3)	1-5	N/A	no	>5,000 mg/kg rat, oral	N/E

Mica (12001-26-2)	5-10	N/A	no	N/E	N/E

Talc (14807-96-6)	1-5	N/A	no	N/E	N/E

Methyl Ethyl Ketone (78-93-3)	1-5	78 mm @ 20 C	yes	2737 mg/kg rat, oral	23,500 mg/m3 rat

SECTION III - PHYSICAL DATA

Boiling Point Range: 174-282°F	Percent Volatile by Volume: 44-55
Vapor Pressure: see section II	Evap. Rate, N-Butyl Acetate = 1: 3.0
Vapor Density (air = 1): 4.54	Appearance and Odor: Black thixotropic material, aromatic odor
Solubility in Water: Negligible	Specific Gravity: 1.177

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 40°F Tag Closed Cup

Flammable Limits: LEL: 1.8% UEL: 11.5%

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Pressure-demand, self-contained respiratory protection should be provided for fire fighters in buildings or confined spaces where this product is stored.

Unusual Fire and Explosion Hazards: At high temperatures this product decomposes to give off toxic and irritating vapors such as chlorine and fluorine. If storage containers are exposed to excessive heat, over-pressurization of the containers can result.

Sensitivity to Static Discharge: Expected to be sensitive to static discharge when vapors are present between lower and upper explosive limits.

Sensitivity to Mechanical Impact: Stable

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level:

Ingredient (CAS No.)	OSHA PEL-TWA CFR29	ACGIH TLV-TWA
Parachlorobenzenotri-flouride (98-56-6)	25 ppm (CEL)	5.0 mg/m ³ No Data
Coal Tar Pitch [Bitumen] (65996-93-2) (8007-42-2)	0.2 mg/m ³	0.2 mg/m ³
Toluene (108-88-3)	200 ppm	50 ppm
-----	-----	-----
Epoxy Resin (25036-25-3)	5 mg/m ³	No Data
-----	-----	-----
Mica (12001-26-2)	10 mg/m ³	3 mg/m ³
-----	-----	-----
Talc (14807-96-6)	2 mg/m ³	2 mg/m ³
Methyl Ethyl Ketone (78-93-3)	200 ppm	200 ppm

Effects of Overexposure:

- **Eyes:** Can cause severe irritation, redness, tearing, blurred vision and severe injury.
- **Ingestion:** May cause damage to the lining of the gastrointestinal tract, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which is fatal. Swallowing of large amounts may cause liver and kidney damage based on animal studies.
- **Inhalation:** May produce symptoms of central nervous system depression, including headache, dizziness, nausea, fatigue, loss of balance and drowsiness, possible unconsciousness and even death. Excessive inhalation may cause liver and kidney damage based on animal studies.
- **Skin:** Prolonged or repeated contact with skin may cause moderate irritation, reddening, swelling defatting and dermatitis, and with poor hygiene practices to skin cancer.

Systemic and other effects: Signs and symptoms of excessive exposure may be central nervous system effects. Observations in animals include liver and kidney effects.

Carcinogenicity: Coal Tar Pitch

Reproductive / Developmental: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Toluene

Mutagenicity: Coal Tar Pitch

Sensitization to Product: This product contains agents that may sensitize skin to sunlight and cause sunburn-type reaction or other allergic responses. Use protective cream on exposed skin where necessary to help prevent these reactions.

Emergency and First Aid Procedures:

- **Eyes:** Remove contact lenses. Flush with water for at least 15 minutes lifting upper and lower lids and seek immediate medical attention.
- **Ingestion: Do not induce vomiting.** This material is not soluble. Do not give fluids. If spontaneous vomiting is inevitable, prevent aspiration by keeping the victim's head below the knees. Get immediate medical attention.
- **Inhalation:** Remove to fresh air. Call a physician if necessary. If breathing stops, begin artificial respiration. If breathing is difficult, administer oxygen.
- **Skin:** Remove with waterless hand cleaner. Wash with soap and large quantities of water. Seek medical attention if irritation from contact persists. Remove and launder contaminated clothing before reuse.

Chemicals contained herein listed as carcinogens or potential carcinogens:

Coal Tar Pitch

NTP: Carcinogen

IARC: Carcinogen

OSHA: Carcinogen

SECTION VI - REACTIVITY DATA**Stability:** Stable**Conditions to Avoid:** Avoid sparks, open flames, welding arcs or other high temperature sources that induce thermal decomposition.**Incompatibility (Material to Avoid):** Avoid contact with strong oxidizing agents.**Hazardous Decomposition Products:** Gases containing Chlorine and Flourine can be produced. Oxides of Nitrogen.**Hazardous Polymerization:** Will not occur.**SECTION VII - SPILL OR LEAK PROCEDURES****Steps to be taken in case material is released or spilled:** Keep people away. Remove all sources of ignition. Recover free liquid. Add absorbent to spill area. Avoid breathing vapors. Ventilate enclosed spaces. Keep out of streams and sewers. Scoop up materials with non-sparking tools.**Waste disposal method:** Dispose of in accordance with all Federal, State, and local regulations.**SECTION VIII - SPECIAL PROTECTION INFORMATION****Respiratory Protection:** Use a NIOSH/MSHA approved air supplied respirator following manufacturer's recommendations whenever an air concentration of over 50 ppm is expected. Use supplied air respirator in positive pressure mode following ANSI Z88.2-1992 for tank and confined space entry.**Eye Protection:** Chemical goggles**Ventilation:** Work in well-ventilated areas. Maintain exposure level below 50 ppm. Where engineering controls are not feasible use adequate local explosion-proof exhaust ventilation where mist, spray, or vapor may be generated.**Protective Gloves:** Solvent resistant gloves should be worn.**SECTION IX - SPECIAL PRECAUTIONS****Precautions to be taken in handling and storing:** For industrial use only. Keep out of reach of children. Keep container closed. Avoid prolonged or repeated contact with skin. Avoid breathing vapors. Do not take internally. Store in a cool place. Store in tightly closed containers away from heat, open flame, sparks or strong oxidizing agents. Use only in a well ventilated area. Use only non-sparking tools. Vapors are heavier than air and will collect in low areas such as pits. Chronic overexposure may create health risks. A component used in this product has been classified as a carcinogen.**SECTION X - NOTES**

Note: NA = not applicable
Issue Date: 17 Jan 2007 (FF)
Revision Date: N/A

NE = not established
Issued By: D. Kathrein
Review Date: 6 Mar 2007

Information herein is given in good faith and is, to the best of our knowledge and belief, accurate and reliable. However, since information herein was obtained, in part, from independent suppliers not under the direction and supervision of The Tapecoat Company, the Tapecoat Company makes no warranty or representation, express or implied, that the information is accurate, reliable, complete or representative. The Tapecoat Company warrants only that it has made no effort to censor other than trade secret information or to conceal deleterious aspects of its products. The data shown above in no way modifies, amends, or enlarges any specification or warranty.

All of the materials used in this product are listed on the EPA/TSCA inventory of chemical substances.