



TX TOUCH-UP

TECHNICAL DATA

TOUCH-UP AND REPAIR MATERIAL

THE PRODUCT AND ITS USES

TX Touch-Up is a single component, solvent free, self curing polyurethane coating with a mastic (thick) consistency. TX Touch-Up is available in a kit format and is designed for manual touch-up and repair of holidays and damaged areas of Madison's CorroPipe II TX-15, CorroPipe II WasteLiner, CorroCote II Classic and FibreThane. This product can also be purchased in one gallon and five gallon containers for use by itself on smaller jobs. When applied using a brush or spatula, TX Touch-Up cures to form a durable, resilient coating that provides excellent resistance to corrosion and cathodic disbondment as well as resistance to chemical attack and abrasion in most circumstances. It is well suited to subterranean and immersion environments of all kinds.

Where speed is a critical factor, consider using Madison's TX-II Touch-Up, a two component, solvent-free polyurethane coating featuring rapid setting capabilities. For potable water use, specify GP II Touch-Up.

TX Touch-Up (CM) is a ceramic modified version of TX Touch-Up that offers enhanced abrasion resistance for slip bore, directional drilling, direct jack or high flow applications.

TX Touch-Up (AM) is modified version of TX Touch-Up that contains an EPA Registered Anti-Microbial agent.

TECHNICAL INFORMATION

PROPERTY	TEST DESCRIPTION	RESULTS
Application Temperature	N/A	0°C/30°F to 60°C/140°F
Initial Setting Time	@70°F/20°C	4 hours
Curing Time Before Handling	@70°F/20°C	8 hours
Ultimate Cure	@70°F/20°C	7 days
Recoat Time*	@70°F/20°C	up to 2 days
Solids Content	Conversion to Solids by Volume	98% ± 2%
% Volatile Organic Compounds (VOCs)		zero
Theoretical Coverage		1604 ft ² /US gallon per mil 424 ft ² /litre per mil, 40 m ² /litre per mil
Adhesion to steel	ASTM D-4541 (SSPC SP5)	900-1200+ p.s.i.
Adhesion to Concrete		Exceeds cohesive strength of concrete
Hardness	ASTM D-2240	Shore D 45 ± 5
Flexibility	ASTM D-522	180° @ 15 mils over 1" mandril
Abrasion Resistance	ASTM D-4060 Taber CS-17	100 mg loss @ 1kg, per 1000 cycles
Permeability	ASTM E-96B @ 15 mils	(non breathing) 0.0005 perm inches
Chemical Resistance	ASTM D-543	moderate (See Chemical Resistance Chart)
Ultraviolet Resistance	ASTM G-53	Will darken and chalk
Temperature Resistance	ASTM D-870	-40°F/-40°C to 140°F/60°C
Colours		Black, Brown

*However, recoat window varies depending on the spray equipment temperature setting, the ambient conditions, product temperature/thickness, and the temperature of the substrate being coated.

NOTE: All statements, technical information and recommendations contained herein are typical of results obtained under laboratory conditions and are not intended to be used as contract specifications. For specification guidelines please contact Madison Chemical.

APPLICATION INSTRUCTIONS

CONTACT MADISON FOR DETAILED APPLICATION INSTRUCTIONS.

A. SURFACE PREPARATION

- 1) Ensure that surface is clean, dry and uncontaminated. Proceed only if the substrate temperature is more than 3°C(5°F) above the dew point temperature during surface preparation and coating application.
- 2) Abrasive blast clean with sand or grit (G40 or coarser). **DO NOT USE** steel shot or non-angular media.
For **steel** surfaces, blast to a Near White Blast (SSPC-SP10; NACE 2; SA 2.5):
 - minimum 3.0 mil (75 microns) profile for immersion;
 - minimum 2.5 mil (65 microns) profile for buried;
 - minimum 2.0 mil (50 microns) profile for atmospheric service.For **ductile iron** surfaces, abrasive blast to achieve a surface anchor profile of 2.5 mils or greater. Remove all rust and loose oxides.
For **concrete** surfaces, abrasive blast to remove any laticence.
- 3) On previously coated surfaces, use coarse sandpaper or a brush-off blast to roughen surface of existing coating. See Madison Application Instructions for details.

B. APPLICATION OF COATING

- 1) Stir the mixture thoroughly until a uniform, creamy consistency is attained. Because of the air cure properties of this product, we suggest scooping out the amount needed into a separate clean, dry container and immediately re-sealing the balance.
- 2) **DO NOT THIN.** TX Touch-Up may be applied with brush or putty knife to the area that has been prepared as above. Contact Madison for detailed instructions.

C. CLEAN-UP AND STORAGE

- 1) This material will react with humidity and moisture. Keep containers tightly sealed and store upside down. For clean-up, use Madison VR-1 Viscosity Reducer, M.E.K. or a 50:50 blend of M.E.K. and Xylol. Other solvents may react with product.
- 2) Store between 10°C(50°F) and 27°C(80°F). **DO NOT FREEZE.** Use product within 3 months of receiving.

HEALTH AND SAFETY

TX Touch-Up is intended for industrial use only. It contains no monomeric isocyanates but may nevertheless cause respiratory distress in some people. Provide ample ventilation. Wear a fresh air respirator when using in confined areas or when spraying. Wear rubber gloves, safety goggles and protective clothing. If swallowed, **DO NOT** induce vomiting as this will cause additional throat irritation; contact physician. If splashed on skin, remove immediately with rubbing alcohol and then wash with soap and water. If splashed in eyes, wash liberally with clean water and contact physician; temporary irritation of eyes may last several days. Contains no known or suspected carcinogens or mutagens. See MSDS for more information. The finished product is totally inert and harmless.

LIMITED TWO YEAR WARRANTY

Madison will replace any product which, in service for which it is suitable, fails to meet specifications within two years of sale and which is proven to be defective when applied according to instructions by a Madison Approved Applicator or Certified OEM Applicator. Madison accepts no responsibility or liability for any other loss, claim, damage, injury or expense, direct or consequential, in contract or negligence. This product replacement warranty is in lieu of any other right, warranty, guarantee or condition, statutory or otherwise, expressed or implied, whether as to fitness for a particular purpose or as to merchantable quality or otherwise.

The information contained herein is believed to be accurate as of the date of publication. Madison reserves the right to change product specifications without notice.

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