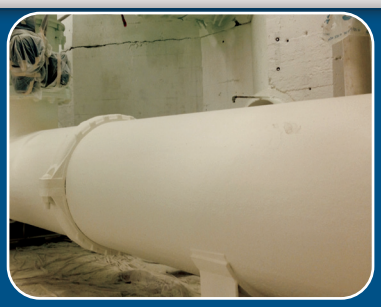
Mascoat® INDUSTRIAL–DTX

DTX

EPOXY INSULATING COATING

AN EPOXY COATING DESIGNED TO REDUCE OR ELIMINATE CONDENSATION



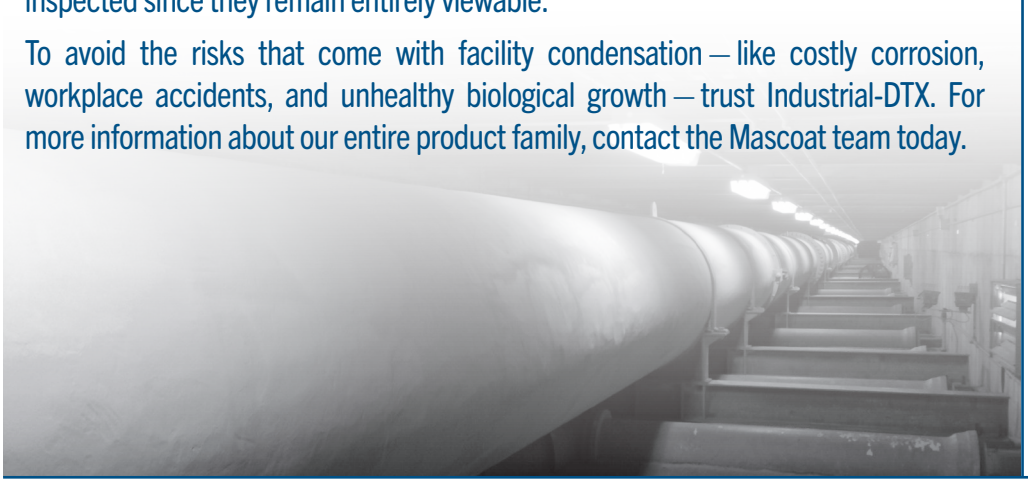



Mascoat leads the industry in high-tech, premium insulation coatings, and continues that tradition with Mascoat Industrial-DTX. This epoxy formulation is specially engineered for aggressive industrial environments where it reduces or completely prevents condensation, protects substrates, and prevents Corrosion Under Insulation (CUI) from occuring.

Utilizing materials specially designed to combat condensation, Mascoat's Research & Devlopment Team created Industrial-DTX to solve the moisture problems that plague plants, refineries, mills, factories and anywhere else persistent condensation is an issue. While conventional insulation wicks moisture and breaks down when regularly exposed to water, Mascoat Industrial-DTX withstands condensation, humidity and regular cleaning wihtout adverse effects. Frequent insulation repair can be costly and time-consuming, but Industrial-DTX's durable, moisture-resistant design requires little maintenance for years to come — so you'll save money and manpower.

Industrial-DTX is a two-part coating installed via airless sprayer, making it easy to use on uneven surfaces and tight spaces. After application, substrates can be quickly inspected since they remain entirely viewable.

To avoid the risks that come with facility condensation — like costly corrosion, workplace accidents, and unhealthy biological growth — trust Industrial-DTX. For more information about our entire product family, contact the Mascoat team today.



USES

Mascoat Industrial-DTX is currently in use on substrates to combat the undesired effects of condensation. Typical applications include:

- HVAC systems
- Tanks
- Pipes
- Refrigerated storage
- Chillers

BENEFITS

- Protects against condensation
- Adheres to virtually any material and eliminates the potential for surface corrosion
- Rapid application procedure reduces man-hours necessary for installation compared to conventional insulation
- Lightweight
- Protects personnel by reducing the chance of slip-and-fall accidents created by frequent condensation formation

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How does the coating work? Condensation is formed due to the temperature differentials found between a substrate and the air surrounding the substrate. As the temperature of a surface reaches approximately 1.5˚F from the dew point temperature, the air (gas) nearest the surface becomes laden with water weight and it changes from a gas to a liquid state. This liquid state forms into water droplets and appears on the substrate. Condensation development can be more severe in high humidity areas where there is more latent water vapor. This presents faster formation of condensation (sweat). To control condensation, it is important to be above 1.5˚F of the dew point at a specific temperature.

To combat or control condensation, Mascoat Industrial-DTX is designed to form a barrier between the dew point and the surface. Our formulation uses ceramic air filled particulates that are specifically designed to help limit the interface between the surface and the surrounding dew point, thereby reducing or eliminating possible condensation development.

TECHNICAL DATA

All data is to ASTM standards when applicable

CONTAINER SIZE:	5 Gallons (18.92 liters)
COMPONENTS:	2-Part
COAT THICKNESS:	40-50 mils WFT @ 50˚F, including a 10-15 mil tack coat (1.0 mm WFT @ 10˚C, including a 0.25 mm tack coat)
COVERAGE PER GALLON: (COVERAGE PER LITER):	25–27 ft² at 40 mils (0.61 m² at 1.0 mm)
WEIGHT (MIXED):	6.4 lbs/gallon (0.75 kg/liter)
VOLUME SOLIDS:	66%
SHEEN:	Flat
BASE:	High-grade epoxy water-based
VOC CONTENT:	0.44 lbs/gallon (52.4grams/liter)
PERMEABILITY:	20.7 Perms
SOLAR REFLECTIVITY:	0.81
EMISSIVITY:	0.876
FLAME SPREAD:	Class A
SMOKE DEVELOPED:	Class A
AMBIENT APPLICATION TEMPS:	50–160˚F (10–93˚C)
OPERATION TEMPS:	200˚F maximum (94˚C maximum)
TOPCOATING:	Please contact Mascoat.
APPLICATION METHOD:	Airless sprayer

APPLICATION INSTRUCTIONS

Surface Preparation: The minimum requirements for carbon steel substrates is a solvent wipe in accordance with SSPC SP1 followed by power tool cleaning in accordance with SSPC SP3. Abrasive blasting in accordance with SSPC SP6 is preferred for longer service life. Surface must be free of all contaminants, both visible and non-visible, prior to application of the coating.

Primers: Primers are recommended for carbon steel substrates. Please consult Mascoat prior to application for the appropriate type of primer for a given environment. Mascoat Industrial-DTX is self-priming over non-ferrous materials such as stainless steel and aluminum.

Airless Sprayer: An airless sprayer is the best method for application of the coating. The sprayer should have a capacity of at least 1.5 gallon per minute at 3,000 PSI. Remove all strainers and filters from gun and sprayer before application. Failure to do so will result in the filtering of insulation particles. Please consult Mascoat for detailed instruction sheet, including list of sprayers, prior to application. A Small Application (SA) Kit can also be used for small applications under 100 square feet or touch ups. This specially-made kit can be obtained by contacting Mascoat.

Brushing and Rolling: It is not recommended to brush or roll this product.

Thinning: Do not thin unless authorized in writing from Mascoat. .

Mixing: Only mud mixing paddles, available from Mascoat, should be used to mix the contents of the pail. Use a 1/2 inch drill motor to stir. Make sure that drill is set to the reverse setting to ensure that the paddle will not mar the pail's inner wall and contaminate the coating. Part A must be thoroughly mixed prior to adding Part B. Once mixed together, the coating has 2 hour pot life.

Cleaning: All equipment can be cleaned with soap and water. Product should not be left in lines for any extended period of time.

All data on this sheet was collected using ASTM procedures when applicable. Findings may be different due to application techniques and environmental conditions. Thermal conductivity is based on equivalency testing.