

JTProtect MA

Non-Toxic, Moisture-persistent Epoxy-based Protection Coating for Wide Range Surface

DESCRIPTION

JTProtect MA is a specially formulated epoxy-based protection coating with general chemical resistant and high abrasion resistance.

JTProtect MA can be applied in wide range of surface condition including damp surface area where condensations occur, steel rebar and steel sheet, and any other concrete and/or steel surface that need to protect. Seamless, dense, and compact application of **JTProtect MA** gives a great waterproofing property. Non-toxic and odorless properties of **JTProtect MA** fabricate a protective layer that suitable for water supply facilities.

FEATURE

- Non-toxic
- Solvent-free
- No primer needed, excellent adhesion to wide range of surface
- Moisture persistent, well-cured in high moisture condition, even when condensation occurred. With this property, **JTProtect MA** can be used as permanent moisture barrier
- Great chemical resistant
- Great abrasion resistant
- Non-VOC

USAGE

Area of application includes:

- Internal area of concrete, steel or any other substrate that contain a certain chemical.
- Internal area of water treatment with concrete, steel or any other substrate.
- Waste water treatment surface, Ground water tank
- Chemically exposed substrate surface.
- Potable Water container

PROPERTIES

Form	Viscous colored liquid (A) Yellowish transparent liquid (B)
Color	Blue, Grey, customized
Density, g/mL	
Part A	1.40 ± 0.05
Part B	1.20 ± 0.05
Mixing Ratio	5 : 1
Pot Life at 25°C	Within 4 hours
Drying Time at 25°C	Within 8 hours
Curing Time at 25°C	Within 15 hours
Service Temperature	-5 – 100°C
Thickness	0.10 – 3.0 mm (theoretically) Dry Film Thickness

INSTRUCTION OF USE

1. Surface Preparation

Long term durability of a protective coating is determined by adhesive bond achieved between waterproofing material and substrate. Correct and proper substrate preparation prior to body coat application is the most important step.

A. New Concrete

Substrate should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed using mechanical methods.

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- B. Old Concrete
Oil and grease penetration should be removed using a proprietary chemical degreaser or by hot compressed air treatment. Any damaged areas or surface irregularities should be repaired using one of the Epoxy Putty
 - C. Steel
Blasting should be conducted to achieve SS 2 1/2 or SSPC SP-10 standard surface profile. The substrate must be free from oil, grease, dust, or any other contamination that would affect bond strength.
2. Excessive dust, debris, and others contaminant material should be removed using high pressure blower or industrial vacuum cleaner.
 3. Mixing
Mix thoroughly **JTProtect MA** Part A and Part B using medium speed (300 – 500 RPM) mixer with spiral-shaped steel stirrer for 3 minutes to achieve consistent quality and color.
 4. Placing
Apply thoroughly onto surface using brush, roller squeegee, or airless-spray application depends on application condition.

CLEANING	Tools and equipment just can be cleaned with acetone or thinner immediately after use. Cured product only can be removed using mechanical action.
PACKAGING	18 Kg per sets consist of: <ul style="list-style-type: none">• 15 Kg per Pail of Part A• 3 Kg per Pail of Part B 0,20 – 3,4 kg/m ² consumption for 100 – 3000 microns thickness (theoretically)
STORAGE	Store in the dry conditions between 5 – 30 °C. Put away from sources of heat and naked flames in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.
SHELF LIFE	1 year in an unopened and undamaged packaging.
SAFETY MEASURES	Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

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DISPOSAL

Spillage of products should be absorbed on to earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations. For further information, refer to the Product Material Safety Data Sheet.