

Product Information

#977W

ETS URETHANE MATIBA 977 W Coating for underwater, waterproofing. Wet/dewy and high humidity condition. On/ underground tank(Oil, fresh water, sea water and compound etc.) Waste water treatment facility, seaside and wet/ dewy/ underwater structure etc. This is a waterproofing product to protect the concrete and structures from damage caused by water or salt. Directly applied coating provides maximum performance for waterproofing and preserving structures underwater or high humidity locations. No solvents, non-toxic, insoluble in water

Uses

- Industrial plants : Chemical & petro-chemical, thermal power, water tank
- Marine & offshore : Tank, commercial marine, boat, offshore structure, floodgate
- Infrastructure : Water main, drainage and pipe, waste water, dam, pond, bridge, rail, tunnel, bridge pier
- Construction : Apartment building, food processing factory, concrete water retaining structure, damped wall, reservoir, bathroom, washroom, waterproofing wet area

Advantages

- It can be used for dry or wet surface. (2 types: paint or putty)
- Anti corrosive, heat resistant (life extension for equipments and structures due to the strong long lasting waterproofing film)
- It can be applied to many materials such as metal, wood, glass fiber, concrete, and FRP.
- Strong adhesion (high strength bonds of its adhesives can be developed to suit almost any application and prevent leakage of water.)
- No solvents, non-toxic, and insoluble in water
- Others
 - * Putty type can be used as adhesives, and paint type can be used as the protective coating.
 - * Both depend on the places where it is applied.
 - * It can be formulated with sand or silica to be used as the noncombustible material.



Packaging:

Only 16L Kanister

Minimum order:

2000 Litre /125 Kanister

Estimated amount:

(250-350 um) = 1,5-2,5 M2/Ltr

Storage: temperature from 4°C to 43°C, regardless of humidity.

Shelf Life: 12 Monts

Pot Life: 4 Hours in 20°C



By the way: All our products are available for the aviation , industrial and Military .. For more information, please contact ETS

Directions

1. Surface Preparation

- 1) The surface must be clean, dry, and free of loose material.
- 2) Loose or peeling paint should be removed with a wire brush and rough wood surfaces sanded.
- 3) Metal or concrete surfaces may be prepared by using a disc grinder and carborundum disc.
Care should be taken so as not to grind through the metal.
- 4) All dirt, oil and grease must be removed on the concrete floors.
- 5) Rotting wood surface must be removed before beginning.

2. Mix Ratio

- 1) PTA (resin): PTB (hardener)= 2.6:1 (depending on weight)
- 2) Working life: Mix only needed amount because it works only for 40 minutes at 20°C.
- 3) If there is a large amount to be mixed, the heating value of the mixture is increased and working life is shortened.

3. How to apply

- 1) Use a brush or roller for paint type. (If needed, mix 5% of the indicated thinner.)
- 2) Use a putty knife (spatula) for putty work.
- 3) Recommended coating film: painting 2 times for 250 um thick paint films.
- 4) Drying
 - * 30°C - 4 hours to set to touch, 18 hours to dry through, 3 days for full hardness (cure)
 - * 20°C - 8 hours to set to touch, 36 hours to dry through, 5 days for full hardness (cure)
 - * 10°C - 12 hours to set to touch, 3 days to dry through, 7 days for full hardness (cure)
- 5) Recoating time interval: 20 °C- minimum 36 hours, maximum: none
- 6) Protect yourself with a mask or other safeguards against chemicals when you work in sealed area and ventilate the room.
- 7) 10~30% of sand can be added for perfect adhesion.

4. Underwater coating

- 1) It is considered not to contaminate water when using in water.
- 2) If the waves are high or the current is fast, cover it with plastics or cellophanes and take them off when , they are dried.

5. Curing at low temperature

- 1) Viscosity will be increased when it is stored below 16°C.
- 2) Use it over 5 °C since low temperature causes slow cure or incomplete cure.
- 3) When the applied area is cold, heat it by heat fan to shorten the curing time.

6. Cleaning up

- 1) Wash the tools with the indicated thinner after use.

Cautions

- 1) It takes longer time to be cured below 5°C.
- 2) When it is used in the fish tank or pond, remove fish before using it. Put the fish back after removing alkaline contents.
- 3) Use a glove to protect your hand. Avoid direct contact to skin. If so, wash the skin with soap immediately.
- 4) Make sure the lid is on tight. Keep it in the dark and cool area.
- 5) Wash the tools with the indicated thinner after use.



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