

TW72 POLYMER MODIFIED CEMENTITIOUS WATERPROOFING

DS-EN-TW72-01727

PRODUCT NAME

TW72 Polymer Modified Cementitious
Waterproofing

COLOR

Grey

MANUFACTURER

Tammy Energy-Saving Building Materials
(Beijing) Co., Ltd**Website:** www.thmaterials.com**Customer Service Hotline:**

400-811-1515 (China)

86-10 68315916 (International)

Headquarter: Room 902, Macro Link Industrial
Mansion, #5 Jiachuang Road, Tongzhou
District, Beijing, China**Fax:** 86-10 68318106

PRODUCT DESCRIPTION

TW72 is a factory prefabricated two-component polymer modified cementitious waterproof coating. The product has been designed to be easily mixed on-site using a slow-speed mixer, applied to substrate using a roller, brush, or a trowel. It eventually cures to form an elastomeric impermeable membrane, exhibits good crack bridging capabilities after long term water immersion.

FEATURES AND BENEFITS

- Flexible and durable, provide waterproofing and can cover small crack
- Excellent bond strength to concrete and masonry
- Non-hazardous, safe, economical and easy to use
- Flood-test after 24 to 48 hours

USES

- Kitchens and laundries

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- Bathroom (tub surrounds, showers, shower pans)
- Balconies, decks and basements
- Interior and exterior floors and walls
- Pools (swimming pools, spas, fountains, water features)

SUITBLE SUBSTRATES

- Concrete
- Masonry (cement block or brick)
- Cured cement mortar beds
- Cement backer boards

PACKAGING

20kg/pail

10kg/pail

5kg/pail

APPROXIMATE COVERAGE

1.3 – 1.5kg/m²/mm

SHELF LIFE

Storage temperature range between 5°C and 35°C, in dry and cool area, the product shelf life in factory sealed containers is 12 months..

* High humidity will reduce the shelf life of bagged products.

LIMITATIONS AND CAUTIONS

- Should not be used when the temperature is below 5°C.
- The product must be finished within one hour after mixed.
- Once material is cured, water or liquid should not be added for re-mixing.
- The membrane MUST be protected with other finishing.

- Must straightly follow manufacturer's written instructions.
- The product contains cement that is stimulus to eyes and the skin, necessary protection tools (clothes) are needed during installation. In case of splashing to the eyes, clean with sufficient water and go to see the doctors when necessary.
- The freshly applied coating should be protected from rain and strong wind until dry to the touch.
- Keep out of reach of children.

TECHNICAL DATA

PHYSICAL PROPERTIES

(Meets or exceeds GB/T23445-2009 II standard.)

Test	Specification (Type III)	Test Result
Solid Content /%	≥70	84
Tensile Strength /MPa	Without Treatment	≥1.8
	Retention rate after heat treatment %	≥80
	Retention rate after alkali treatment %	≥70
	Retention rate after water immersion %	≥70
Breaking Elongation Rate % /MPa	Without Treatment	≥80
	Heat Treatment	≥65
	Alkali Treatment	≥65
	Water Immersion	≥65
Low Temperature Flexibility (Φ10mm bar)	-	-
Bond Strength /MPa	Without Treatment	≥0.7
	Damp Surface	≥0.7
	Alkali Treatment	≥0.7
	Water Immersion	≥0.7
Water Impermeability (0.3MPa , 30min)	Imper- meability	Imper- meability
Impermeability (mortar negative side) /MPa	≥0.6	0.9

APPLICATION

1) Surface Preparation

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All surfaces must be sound, clean, free of oil, wax, frost, curing agents, form release agents or other inhibiting contaminants, before application of TW72 Polymer Modified Cementitious Waterproofing. Typically, concrete surfaces can be cleaned using a high pressure water jet.

No cracking at the corner nor at the pipe root.

2) Mixing

Based on the mixing ratio powder: liquid = 1.8:1 (weight ratio), carefully pour the liquid into a clean mixing container and slowly add the powder. Mix with a low-speed mixer (about 350rpm) to a smooth, creamy paste consistency. Allow the material to slake in the container for 10 minutes and remix for about 2 minutes.

3) Application

Apply mixed materials evenly on the surfaces for at least two times. The first coat should be applied at a wet film thickness of 0.5mm along the horizontal direction. Allow first coat to cure for 4 to 6 hours. The first coat should be left dry to the touch. The second coat should also be applied at a wet film thickness up to 0.5mm along the vertical direction.

AVAILABILITY AND PRICE

AVAILABILITY

TAMMY products are available worldwide.

For distributor information:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

Email: tammy@thmaterials.com

PRICE

Contact a TAMMY representative / Authorized dealer in your area.

TECHNICAL SERVICE

TECHNICAL ASSISTANCE

Information is available by calling the TAMMY Technical Service at:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

FAX: 86-10 68318106

DS AND MSDS

DS and MSDS are available on TAMMY website: www.thmaterials.com

TAMMY ENERGY-SAVING BUILDING MATERIALS (BEIJING) CO., LTD

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