

## Time Protective

TA-14001

### Description

A high performance elastomeric waterproof coating for roofs, based on acrylic emulsion. It has an excellent elasticity and water resistance properties.

### Recommended Use

Recommended to use for exterior applications as a protective coat over concrete and cement, mosaic tiles (terrazzo), steel, galvanised steel and polyurethane foam roofs of warehouses, residential, educational institutions and commercial buildings.

### Characteristics

- High resistance to water leakage.
- Breathable, allow the surface to breath (moisture).
- High elongation and crack bridging properties.
- Excellent adhesion to the surfaces.
- Excellent resistance to harsh Middle East weather conditions.

### Certificates

- In accordance with SASO standard No.: 2627/2017.

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### Physical Constants

Finish	Semi-Gloss with smooth touch.	-
Color	White.	-
Specific Gravity	1.20 At 25°C	ASTM D1475.
Viscosity	3.20 x 1000 mPas at 40°C.	-
Volume solid	48 %	ASTM D2697.
D.F.T.	0.5 mm each coat. Depends on the nature of the surfaces and application conditions.	-
Theoretical Spreading rate	0.96 m <sup>2</sup> / Ltr. @ D.F.T 0.5 mm.	-
Water Vapor Transmition	14 gm / m <sup>2</sup> / 24hrs.	ASTM D1653
Weather Resistance	1500 hrs.	ASTM G154
Water Resistance	Pass, 30 days,	ASTM D870.
Alkali Resistance	Pass, 30 days (1 % solution).	ASTM D1308.
Salt Resistance	Pass, 30 days (1 % solution).	ASTM D1308.

(to avoid waste, be sure to buy the right amount of the paint for the surface area required).

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### Surface Preparation

For cement Tiles:

- The surface must be clean, dry, free from dust, oil, grease, salt, mold and protrusions.

For concrete and masonry surfaces:

- The concrete must be fully cured for 28 days.
- The surface must be treated by removing all forms release agent and protrusions to get a suitable surfaces for application.
- Make sure that the surface is sound, clean, free from dust, oil, greases, salt and mold.
- Fill cracks and holes by "Time Epoxy Crack Filler".

For steel surfaces:

- The surface must be sound, clean, dry, free from corrosion, dust, oil, grease and salt
- "Time Epo-mastic" should be applied on the rusted areas after suitable preparation.
- All holes shall be filled by suitable sealant.

For polyurethane foam surfaces:

- The surface must be clean, dry and free from dust, oil, grease, salt and mold.

### Application Guide

- The required temperature during application, must not be less than 5°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
- The Paint should be stirred well before use.
- Do not apply on wet and moistened surfaces until get completely dry.
- Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be given between the two coats.

### Application Tools

- Airless spray: Nozzle Orifice : "0.017-0.021"  
Nozzle Pressure : 15 MPa ( 2100psi)  
Spray Angle : 40-60°
- Roller : (Recommended type: Dekor Nardeen 8009 - code:1093)
- Brush for narrow areas

### Thinner

Recommended thinner is "Tap Water".

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### Painting System

For concrete surfaces:

- Apply one coat of "Time Protective" as a primer after thinning (30-40)% by using roller.
- Apply two coats of "Time Protective" 500μ by roller.
- For best results, "TimeTietex Mish" can be used for reinforcing and also on corners, pipes and drainage.

For mozaic tiles surfaces:

- Apply one coat of "Time Protective" as a primer after thinning (30-40)% by using roller.
- Install "Time Tietex Mish" by using "Time Protective" on corners, pipes and drainage.
- Apply one coat of "Time Protective" 500μ by roller after that install "Time Tietex Mish" then apply another coat of "Time Protective" 500μ by roller and continue for full area.

For steel surfaces:

- Apply one coat of "Time Protective" thickness 75μ as a primer after thinning (10-15)% by using airless spray.
- Install "Time Tietex Mish" by using "Time Protective" on steel sheets joint which in the path of drainage water.
- Apply two coats of "Time Protective" 500μ by airless spray.

For polyurethane foam surfaces:

- Install "TimeTietex Mish" by using "Time Protective" on corners and big holes.
- Apply two coats of "Time Protective" 500μ by roller.

### Instruction of Use

- The density of fabric mesh shall be 93 gm/sq meter and elongation 40%.
- "Time Rebond 100" must be used with sand and cement for repairing corners till getting surface free from sharp angles.
- Overlapping between the fabric should be 5-10 cm.
- The surface must be leveled to obtain uniform thickness after application.
- In case of maintenance works performed the damage areas must be cut and repaired by using "Time Protective" and fabric Mesh with commitment to smoothing the feathering areas and overlapping (5-10) cm between new and old application.

### Drying Time

- **Surface dry:** 4 hours.
- **Hard dry:** 72 hours.
- **Recoating Interval:** 36 hours (minimum).
- **Full cure:** 7 days.

All above test results according to ASTM D5895 @25°C.

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### Cleaning Tools

Tap Water.

### Packing

- US Gallon.
- Drum 18 L.

### Shelf Life & Storage

**Shelf life :** 24 months @ 25 °C.

**Storage:** The container should be kept in sealed, dry, cool, well -ventilated place and stored in accordance with national regulations.

### Safety Precaution

- Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.
- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- Keep away from the reach of children.

**For environmental safety :** please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.

### Disclaimer

To the best of our knowledge the technical data listed herein is true and accurate up to publication date and is subject to change without prior notice. User must contact Al-Daman Building Materials Company to verify of any modifications before specifying or ordering the product. Thus, information given in this sheet is not intended to be exhaustive and any person using the product other than the recommendations in this sheet or without reverting to our Timepaints TSD, he should take his accountability in this connection.

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