

Time Maxim Matt

TA-15036

Description

A high performance matt topcoat emulsion paint, based on special type of acrylic polymer by special technology to provide superior adhesion, high durable, good resistance to harsh weather conditions in the Middle East and dirt pick up, with high color retention to impart surfaces long lasting protection.

Recommended Use

Recommended to use for exterior applications when high protection and beauty is recommended on concrete, cement, hardboard and brick surfaces of educational institutions, residential, commercial, industrial buildings. Also it can be applied over textures.

Characteristics

- Self priming with high adhesion.
- Excellent penetration into substrate.
- Excellent reflector to sunlight.
- Reduces indoor temperature.
- Excellent anti carbonation property.
- Extreme hiding.
- Excellent color retention.
- Excellent resistance to UV and harsh weather conditions.
- High resistance to acid rain, salt and alkali.
- Super resistance to rain water traces.
- Good resistance to dust and dirt pick-up.
- Excellent flow and leveling.
- High spreading rate.
- Excellent hardness and durability.
- Ultra low VOC and extremely low odor.
- Free from formaldehyde, ammonia and APEOs.
- Resistance to bacteria inside can.

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Physical Constants

Finish	Matt.	-
Color	White and other colors as per Timepaints color card.	-
Specific Gravity	1.35-1.4	ASTM D 1475
Viscosity	35±25C@ 953 لڤا	ASTM D 562
Volume Solid	42%	ASTM D 2697
D.F.T.	D.F.T is 40 μ each coat	-
Theoretical Spreading Rate*	10.5 m ² /L at D.F.T 40 μ.	-

(*) The practical spreading rate of the product depends on the surface, ambient temperature, application method, actual DFT and the wasted amount. (To avoid waste, be sure to buy the right amount of the paint for the required surface area).

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Tests

Water Resistance	Pass 7 days	-	ASTM D 870
Alkali Resistance	Pass 7 days(1 %solution)	-	ASTM D 1308
Salt Resistance	Pass 7 days(1.5%solution)	-	ASTM D 1308
Adhesion	Pass	-	ASTM D 3359
Flexibility	Pass 3 mm. Diameter	-	ASTM D 522
Freeze-Thaw Stability	Pass 3 cycles	-	ASTM D 2243
Heater Stability	Pass 49 days.	-	ASTM D 2243
Solar Reflectance	Pass	ASTM C 1549	Middle East Lab - Ajman- UEA
Thermal emittance	Pass	ASTM C 1371	Middle East Lab - Ajman- UEA

Carbon Dioxide Permeability Test: Tested by Wimpey Laboratories - Dubai - U.A.E. (BS EN 1062-6:2002 Method A)

Specimen Thickness:	252µm.
Average Carbon dioxide permeability:	1.0435 g/m ² .d.
Diffusion equivalent air thickness in meter (SD):	237.66m.
Diffusion resistance number:	9.43 × 10 ⁵ .
Carbon dioxide diffusion coefficient of the coating:	1.59 × 10 ⁽⁻⁷⁾ cm ² .s-1.
Diffusion equivalent of concrete in meter (SC):	0.594m.
Classification of coating material and coating systems for exterior masonry and concrete: C1 (DIN EN 1062-1:2004-08).	-

Surface Preparation

- All new surfaces shall be cured at least 28 days prior to application of the primer.
- Remove old paints completely from previously painted surfaces .
- The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.
- Make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold.
- Fill the holes and cracks with suitable fillers such as "Time Ultimate", "Time Crack Filler" or "Time Epoxy Crack Filler" prior to application of the primer (Refer to TSD).

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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%.
- pH of surface should not exceed 9.
- Paint should be stirred carefully before use.
- A suitable quantity of "Tap Water" can be added to get reasonable viscosity for application.
- Do not apply on wet and moistened surfaces until completely dry.
- Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.

Application Tools

- **Air spray**
 - Nozzle size: (1.5 – 1.8) mm.
- **Roller** : Soft and smooth roller
 - (Recommended type: Dekor Nardeen 8009 - code: 1093)
- **Brush** : Suitable type.

Thinner

"Tap Water".

Thinning Ratio

- (15-25)% by volume for air spray.
- (10-15)% by volume for roller and brush.

All above depends on the weather and application conditions.

Painting System

For plain finish:

- Apply two coats of "Time Maxim Matt".
- For precast and smooth surface, recommended to apply one coat of "Time C Primer" or any other suitable type of Timepaints primers.

For texture finish:

- Apply one coat of "Time C Primer" or any other suitable type of Timepaints primers, depending on the surface nature and let for full dry.
- Apply one coat of any Timepaints textures
- Apply two coats of "Time Maxim Matt".

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Drying Time

- **Surface Dry** : 1 hour.
- **Hard Dry** : 4 hours.
- **Recoating interval**:
 - Minimum : 8 hours.
 - Maximum : 48 hours.
- **Full cure**: 7 days.

All above results according to ASTM D 5895.

Cleaning Tools

Tap water.

Packing

- US Gallon.
- 18 Ltr Drum.
- Gallon: Base 3 (Tintable base by tinting machine).
- Drum: Base 16.2 (Tintable base by tinting machine).

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.

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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.

As we are not capable to control the quality and the substrate's conditions as well as the factors that affect on using, or applying the product, so we never give any written or implied guarantee in these documents, but we guarantee our products to conform to Timepaints quality while we assume no responsibility for coverage, performance or injuries resulting from application. Liability "if any" is limited to replace the products mentioned above.