Time Tank Coat

TI-64001

Description

A high quality two component tank lining coating, solvent free epoxy, specially designed for drinking water and food storage tanks. It has excellent resistance to corrosion.

Recommended Use

As a tank lining coating for tank lining on concrete, steel and galvanized steel surfaces. it is suitable for application of water treatment plants and food plants.

Characteristics

- Safe and suitable for potable water and food storage tanks.
- Excellent resistance to water.
- Excellent resistance to corrosion and impact.
- Smooth, gloss and easy to clean.
- Long-lasting protection.
- Solvent free.
- All ingredients listed in FDA.
- Self-priming.

Certificates

- WRc–NSF approved.
- WRAS–water quality and test certificate.

Physical Constants

Finish:	Gloss	-
Color:	Light green	-
Volume Solid:	100%	ASTM D2697
Viscosity:	103 KU @ 30+-2 oC	ASTM D562
Specific Gravity:	1.212 (mixed paint)	ASTM D1475
D.F.T:	300 micron	-
Theoretical Spreading Rate:	3.33 m^2/L @ 300 micron DFT	-
VOC Values:	0.0 g/ ltr.	-

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Surface Preparation

Pre-Cleaning:
Remove all visible surface deposits such as grease, oils and soils with suitable detergent. Remove salt and other contaminants by washing using high pressure fresh water. Where necessary, work to remedy or alleviate design or fabrication defects such as weld spatter, and where required smooth weld seams and sharp edges before abrasive blasting.

New Steel:
Refer to pre-cleaning, the surface must be prepared according to Sa 2½ (NACE No.2/SSPC-SP 10) or Sa 2 (NACE No. 3/SSPC-SP 6) when used as a primer.

Concrete:
Remove all visible surface deposits such as grease, oils and soils by either steam or cleaning with detergents or chemicals. Abrasive blast cleaning to (NACE No.6/ SSPC-SP 13) will provide roughened and will remove laitance. Abrasive blasting also opens holes and voids so they can be sealed more effectively.

Maintenance:
Refer to pre-cleaning, remove damaged areas using power tool cleaning to St 2 (SSPC-SP3) or by abrasive blasting to Sa 2 (NACE No. 3/SSPC-SP 6), but Sa 2½ (NACE No.2/SSPC-SP 10) is preferable. As an alternative; use water jetting to WJ-2 (NACE No. 5/SSPC-SP 12).

Application Guide

Mixing Ratio: By volume (Base To Hardener) : (2.47 : 1)
Pot-life: 30 min. @ 25 °C.
Induction time: Nil.

(*) Base & hardener should be stirred carefully before use, then mix them together completely with the validated mixing ratio to achieve homogeneous mixture.
(*) The mixture should be used during the determined pot-life.

Application Condtions

- Temperature during application should be more than (5°C).
- Surface temperature: at least (3°C) above dew point.

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Painting System

Primers: Self-priming.

Topcoats: None

Application Methods and Thinning:

Thinner: Not reccomended

Application Method	Airless Spray	Air Spray	Brush/Roller
Thinning (by volume)*	(0)%	N/A	(0)%
Nozzle Orifice	0.015-0.021"	N/A	N/A
Nozzle Pressure	15 MPa (2100psi)	N/A	N/A
Spray Angle	40-80°	N/A	N/A

(*) Depends on the weather condition at work place.

(**) Recommended for stripe coat and small areas.

Film Thickness and Spreading Rate:

-	Minimum	-	Maximum	-	Recommended	-
-	(µm)	mil	(µm)	mil	(µm)	mil
Dry Film Thickness (DFT)	100	4	400	16	300	12
Wet Film Thickness (WFT)	100	4	400	16	300	12
-	m^2/L	$ft^2/USgal$	m^2/L	$ft^2/USgal$	m^2/L	$ft^2/USgal$
Theoretical Spreading Rate	10	401	2.5	100	3.33	133.6

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Drying Time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

Relative Humidity	50%
Surface Dry	3 hours
Hard Dry	5½ hours
Dry to recoat, minimum	6 hours
Dry to recoat, maximum*	------
Dry to fill the tank	7 days at 25 °C (77 °F)

Note: All records given in the table are typical at recommended film thickness, good ventilation and one coat system.
(*) The surface should be dry and clean prior to application The best time to recoat is before previous coat is cured If this time is exceeded, the surface may need to be roughened slightly

Packing

- Base : 3.46 Ltr
- Hardener : 1.4 Ltr

Shelf Life & Storage

Shelf life: 12 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.