

Technical Data Sheet
JAZ TANK COATING (D.W)
JI-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°C	ASTM D562
Specific Gravity:	1.212 (mixed paint)	ASTM D1475
D.F.T:	300 µ	
Theoretical Spreading Rate:	3.33 m ² / L @ 300 µ DFT	
VOC Values:	0.0 g/ ltr.	

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).

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Application Condition:

- Temperature during application should be more than (5°C).
- Surface temperature: at least (3°C) above dew point.
- Relative humidity: maximum 85%.

Application Data:

Mixing Ratio: By volume Base 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.

Painting System:

Primers: Self-priming.

Topcoats: None

Application Methods and Thinning:

Thinner: Not recommended

• 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 Times and Recoating:

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

• Temperature	25°C/77°F
• 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:

Packing: Base	Hardener
3.46 Ltr	: 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.

Handling and Safety:

- Cleanup: Use **Jazeera Thinner 505** for tools cleaning and in case of spillage, absorb and dispose.
- Handling: Handle with care. Stir very well before use.
- Health and Safety: Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product. During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapor should be strongly avoided. For spray application systems; applicator should wear protective clothing, gloves, also eye, skin and respiratory protection are always recommended. Keep away from reach of children.
- Ventilation: When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. In addition, respirators must be used by all applicator.
- Caution: This product contains flammable solvents, keep away from sparks and open flame. For information on LEL and TLV, please read the MSDS.
- Environmental safety: Please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.
- Notes: Wastes and empty containers should be disposed of in accordance with local regulations made under the Control of Pollution Act and the Environmental Protection Act.