

Technical Data Sheet

JAZ EPOKOTE

JI-64004

Description:

A high performance two-component epoxy topcoat paint, based on polyamine adduct cured phenolic epoxy.

Recommended Use:

- Tank lining for sewage water, waste water treatment and crude oil (non laminate system).
- Repair bottom tanks with or without glass reinforced.

Characteristics:

- Excellent adhesion to steel and concrete.
- Excellent resistance to chemicals, molds and water .
- Excellent resistance to sewage water.
- Excellent resistance to corrosion and impact .
- Endures elevated temperatures.

Physical Constants:

Finish:	Semi-gloss	
Color:	White, grey & other limited colors	
Volume Solid:	60%	ASTM D2697
Viscosity:	Viscous.	
Specific Gravity:	1.54 (mixed paint)	ASTM D1475
D.F.T:	100 μ	
Theoretical Spreading Rate:	6 m ² / L @ 100 μ DFT	
VOC Value:	327 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 Sa2 (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 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 weight	Base	Hardener
		1	: 1
Pot-life:	3 hours @ 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.

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Painting System:

Primers: Apply any of high performance coatings such as Zinc Rich (organic/inorganic) or any suitable primer.

Topcoat: Apply Jaz Epokote.

Application Methods and Thinning:

Thinner: Jazeera Thinner 507.

• Application Method	Airless Spray	Air Spray	Brush/Roller
• Thinning (by volume)*	(0-5)%	(10-15) %	(0-5)%
• Nozzle Orifice	0.015-0.021"	1.0- 1.5 mm	N/A
• Nozzle Pressure	15 MPa (2100psi)	29.0-43.5psi	N/A
• Spray Angle	40-80°	50-80°	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)	50	2	125	5	100	4
• Wet Film Thickness (WFT)	83	3.3	208	8.3	166	6.7
	m ² /L	ft ² /USgal	m ² /L	ft ² /USgal	m ² /L	ft ² /USgal
• Theoretical Spreading Rate	12	481	4.8	193	6.0	240

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	1 hour
• Hard Dry	3 hours
• Dry to recoat, minimum	3 hours
• Dry to recoat, maximum*	-----
• Dry to fill the tank	7 days

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
2.77 kg	: 2.77 kg
15.4 kg	: 15.4 kg



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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 507" 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.