INERTA 266 (EPITAN 66)

Antistatic epoxy tank coating

High solid epoxy paint, thixotropic, two component, cured with amines, containing conductive pigments.

For the protection of inside linings of tanks, cisterns and pipelines for flammable liquids, also in explosion hazard zones. For protection of inside linings of tanks, cisterns and pipelines for liquid and loose products forming explosive mixtures. For protection of laminate constructions and other non-conducting surfaces for its antielectrostatic finish.

Coating with outstanding adhesion to steel, laminates and mineral surfaces. Coating resistant to mechanical factors, oil, fuel oil, heating oil, diesel, motor gasoline, ethyl gasoline, unleaded petrol, biofuel, aviation fuel, glycol, glycerine, aromatics, water, electrolyte solutions and weathering.
Coating is anti-electrostatic conductive material and with the provision of proper grounding is incapable of reaching a state of electrification. The surface resistance Rs of the coating is about 10exp.6 Ω, the leakage resistance Ru is about 10exp.4 Ω, measured according to EN 61340-2-3:2016-11. The coating of the paint, as well as the laminate based on it, meets the requirements of protection against static electricity related to hazardous areas. The coating meets the requirements of the standard TRbF 401.

TECHNICAL DATA

Fields of application	Pipelines, Steel constructions, Storage tank
Recommended substrate	Steel, Laminate, Concrete
Binder	Epoxy
Solids	Using INERTA HARDENER 7272 : 85±2% by volume (ISO 3233)
Total mass of solids	Using INERTA HARDENER 7272: abt. 1350 g/l.
Volatile organic compound (VOC)	Approx. 210 g/l using INERTA HARDENER 7272 (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	

Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m^2/l)
150	176	5.7
200	235	4.2

As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.

Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.
Colours	TO-290 brown, TO-930 dark grey NOTE! Sunlight and chemicals cause the colour and glossiness to change in time.
Gloss (60°)	Semi-matt
Hardener	Comp. B: INERTA HARDENER 7272
Mixing ratio (A:B)	10:3 parts by volume
Pot life, +23°C	1 h
Thinner	Undiluted. Not needed. In exceptional circumstances use TEKNOSOLV 9506.
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

DIRECTION FOR USE

Surface preparation	Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water. STEEL SURFACES: dry, salt-, grease- and dust-free, cleaned to the degree of cleanliness according to ISO 8501-1, at least Sa 2½. EPINOX®60 surface dry, rust-, salt-, grease- and dust-free. Laminate surface contaminant-, dust-, grease- and oil-free. In case of old laminates it is recommended to roughen it with abrasive paper (120-150). Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.
Application method	Airless spraying, Brush

Application

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

When using a brush it may be necessary to apply several layers to achieve recommended coating thickness.
Airless spray parameter:
Nozzle size 0.019 – 0.025"
Nozzle pressure 20 - 30 MPa
Depending on application and type of construction, other thickness of a single layer can be assumed instead of recommended. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.
When using for antielectrostatic finish for non-conducting surfaces (laminates, concrete), it is necessary to attach to surface earth electrode and cover it with coating.
Laminate constructions (tanks, pipelines) where small abrasive and mechanical hazard, should be painted with 1 or 2 layers giving in total dry film thickness 150-200 µm.
Mineral surfaces (concrete floorings), where pedestrian and vehicular traffic takes place, cover with 2 layers giving in total dry film thickness 300-400 microns.

Application conditions

During the application and drying period the temperature of the ambient air, the surface and the product shall be above +10°C and the relative air humidity below 80%. The temperature of the surface to be treated must be at least +3°C above the dew point of the ambient air. Adequate ventilation during application and drying. If application and drying is carried out at lower temperatures, a winter hardener should be used. Please contact your Teknos representative.

Drying time
+23°C / 50% RH (for 150 µm dry film thickness)

- dust free
after 6 h

- touch dry
after 8 h

- fully cured
after 7 days

Overcoatable

Surface temperature	By itself, using INERTA HARDENER 7272	
	Min.	Max.
+10°C	16 h	7 d
+23°C	8 h	4 d
+30°C	4 h	2 d

The values given for drying times and overcoatability may vary depending on film thickness and drying conditions.

Cleaning

TEKNOSOLV 9506

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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