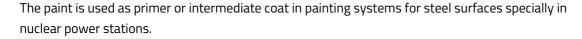


INERTA 51 A

Epoxy paint

INERTA 51 A is a two-pack solvent-borne epoxy paint.





The paint film is very tight and provides good resistance to water and chemicals. The paint has good resistance to heat - even damp heat.

APPROVALS:

The paint comes up to the requirement specifications of STUK-YTO-TR 210: Research Report 1481-28-05-RTE by the Technical Research Centre of Finland.

STUK-YTO-TR 210 (Finland)

The paint complies with requirements of ΓOCT P 51102-97: Report Nos. 3800-02/1075 and 3800-02/1299.

TECHNICAL DATA

classification

Certificates, approvals and

Recommended substrate	Steel, Concrete	Steel, Concrete						
Binder	Ероху							
Solids	50 ±2% by volume	50 ±2% by volume						
Total mass of solids	Approx. 970 g/l							
Volatile organic compound (VOC)	Approx. 440 g/l (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 (m²/l)					
	50	100	10.0					
	80	160	6.3					
	100	200	5.0					
	125	250	4.0					
	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	White and grey.	White and grey.						

INERTA 51 A



Gloss (60°) Semi-matt

Hardener Comp. B: INERTA 51 A HARDENER

Mixing ratio (A:B) 4:1 parts by volume

Pot life, +23°C 6 h

Thinner 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

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:

STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa $2\frac{1}{2}$ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

CONCRETE SURFACES: The concrete must be at least 4 weeks old, well-hardened and solid. The water content of the top layer must not exceed 4% by weight.

Smooth down any spatter and irregularities on the surfaces by grinding. Brush away loose cement, sand and dust. Wash oily and greasy surfaces with detergent or solvent. Remove dense laitance if present by etching with RENSA ETCHING etching liquid or by grinding or blast-cleaning.

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

Prefabrication primer: KORRO E Epoxy Prefabrication Primer can be used, when required.

Application method

Airless spraying

INERTA 51 A



Application	MIXING OF THE COMPONENTS: 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 th						
	bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in						
	imperfect curing and impaired film properties. Stir thoroughly before use.						
	Apply preferably by airless spray as only this method provides the						
	recommended film thickness in a single operation. Suitable airless nozzle size						
	0.017 - 0.021". Brush can be used for touching up and painting small areas.						
Application conditions	The surface to be treated must be dry. 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%.						
	Additionally, the temperature of the surface to be treated and the product must						
	be at least +3°C above the dew point of the ambient air.						
Drying time	+23°C / 50% RH (dry film 50 μm)						
- dust free	1 h (ISO 9117-3:2010)						
- touch dry	5 h (ISO 9117-5:2012)						
ercoatable surface temperature		by itself or INERTA 50 A, FOR OBJECTS IN ATMOSPHERIC EXPOSURE		by itself or INERTA 50 A, FOR SUBMERGED OBJECTS			
		min.	max.*	min.	max.*		
	+10°C	12 h	6 months	36 h	7 d		
	+23°C	4 h	6 months	12 h	7 d		
* Maximum overcoating interval without roughening.							
							Increase in film thickness and rise in the relative humidity of the air in the di
	space usually slow down the drying process.						

HEALTH AND SAFETY

Cleaning

Safety and precaution measures See safety data sheet.

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TEKNOSOLV 9506