

**INERTA 51**
Epoxy Paint

PAINT TYPE	INERTA 51 is a two-pack solvent-borne epoxy reactive paint.
USAGE	The paint is used as primer or intermediate coat in chemical resistant epoxy coating systems K17. Also suitable for use on concrete.
SPECIAL PROPERTIES	The paint film is very dense and provides good resistance to water and chemicals. The paint has good resistance to heat - even damp heat. The paint comes up to the specifications of Swedish Standard SSG 1021-GA

TECHNICAL DATA

Mixing ratio	Base (Comp. A): Hardener (Comp B): INERTA 51 HARDENER	4 parts by volume 1 part by volume	
Pot life, +23 °C	6 h		
Solids	50 ±2% by volume		
Total mass of solids	abt. 970 g/l		
Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	50	100	10,0
	80	160	6,2
	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.
Volatile organic compound (VOC)	abt. 440 g/l (Theoretical) abt. 298 g/l (Tested according to China GB/T 23985-2009)

Drying time, +23°C / 50% RH (dry film 50 µm)

- dust free (ISO 9117-3:2010)	after 1 h
- touch dry (ISO 9117-5:2012)	after 5 h
- fully cured	after 7 days

Overcoatable, 50% RH (dry film 50 µm)

surface temperature	by itself or INERTA 50 FOR OBJECTS IN ATMOSPHERIC EXPOSURE		by itself or INERTA 50 FOR SUBMERGED OBJECTS	
		max.*		max.*
+10°C	after 12 h	after 6 months	after 36 h	after 7 days
+23°C	after 4 h	after 6 months	after 12 h	after 7 days

* Maximum overcoating interval without roughening.

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner, clean up	TEKNOSOLV 9506
Finish	Semi-matt
Colours	White and grey

SAFETY MARKINGS

See Safety Data Sheet.

PTO

DIRECTION FOR USE**Surface preparation**

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. 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 2½ (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.

Prefabrication primer

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

Mixing of the components

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting 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.

Application conditions

The surface to be painted must be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +10°C and the relative air humidity below 80%.

Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

Application

Before use stir the paint thoroughly.

Apply preferably by airless spray as only this method provides the recommended film thickness in a single operation. Use airless spray nozzle 0.017 - 0.021". Brush can be used for touching up and painting small areas.

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

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

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



EN_52_Tuoteseloste.pdf