

# INERTA 50

## Epoxy top coat

INERTA 50 is a gloss two-pack epoxy top coat.

Used as a top coat in chemical resistant Epoxy Coating System.



The paint withstands aqueous solutions of chemicals, oils, greases and solvents. It withstands dry heat up to +150°C.

### APPROVALS:

The paint comes up to the specifications of Swedish Standard SSG 1026-TA.

## TECHNICAL DATA

<b>Certificates, approvals and classification</b>	SSG 1026-TA									
<b>Recommended substrate</b>	Steel									
<b>Binder</b>	Epoxy									
<b>Solids</b>	48 ±2% by volume									
<b>Total mass of solids</b>	Approx. 700 g/l									
<b>Volatile organic compound (VOC)</b>	Approx. 480 g/l (Theoretical) (DIRECTIVE 2010/75/EU) Approx. 386 g/l (Tested according to China GB/T 23985-2009) 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 TDS.									
<b>Theoretical spreading rate</b>	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m<sup>2</sup>/l)</th></tr></thead><tbody><tr><td>40</td><td>83</td><td>12.0</td></tr><tr><td>50</td><td>104</td><td>9.6</td></tr></tbody></table> <p>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.</p>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m <sup>2</sup> /l)	40	83	12.0	50	104	9.6
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<b>Practical spreading rate</b>	The values depend on the application technique, surface conditions, overspray, etc.									
<b>Colours</b>	Same tinting system should be used during the whole painting project. Factory colours by agreement.									
<b>Tinting system</b>	Teknomix; Teknotint									
<b>Gloss (60°)</b>	Gloss									
<b>Hardener</b>	Comp. B: INERTA 50 HARDENER									
<b>Mixing ratio (A:B)</b>	3:1 parts by volume									

<b>Pot life, +23°C</b>	6 h
<b>Thinner</b>	TEKNOSOLV 9506
<b>Storage</b>	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

## DIRECTION FOR USE

<b>Surface preparation</b>	<p>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:</p> <p>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.</p> <p>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.</p> <p>Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.</p>
<b>Application method</b>	Airless spraying, Brush
<b>Application</b>	<p>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 the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.</p> <p>Stir thoroughly before use.</p> <p>Apply by airless spray or brush. Suitable airless nozzle size 0.011 - 0.015".</p>
<b>Application conditions</b>	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.
<b>Thinning</b>	If needed, thin the paint with TEKNOSOLV 9506.

**Drying time** +23 °C / 50% RH (dry film 40 µm)  
**- dust free** 1 h (ISO 9117-3:2010)  
**- touch dry** 6 h (ISO 9117-5:2012)  
**- fully cured** 7 d

**Overcoatable**

surface temperature	by itself, FOR OBJECTS IN ATMOSPHERIC EXPOSURE		by itself, FOR SUBMERGED OBJECTS	
	min.	max.*	min.	max.*
+10 °C	24 h	3 months	36 h	7 d
+23 °C	12 h	3 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 drying space usually slow down the drying process.

**Cleaning** TEKNOSOLV 9506

## HEALTH AND SAFETY

**Safety and precaution measures** See safety data sheet.

**Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091**

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