

INERTA PRIMER 5 CAMOUFLAGE PAINT

Epoxy paint

INERTA PRIMER 5 CAMOUFLAGE PAINT is a matt epoxy paint.

Colour AN100 is used as primer and intermediate coat in Camouflage Coating Systems K110, K110B, K111, K111B, K113 and K113B on external surfaces and as a top coat in Camouflage Coating Systems K112 and K114 on internal surfaces.



The infra-red reflectivity of colour AN100 is 20 - 35%. Colour MN100 meets the requirements of the navy.

TECHNICAL DATA

Certificates, approvals and classification	Finnish Defence Force, WITI (Poland)											
Recommended substrate	Aluminium, Steel, Zinc											
Binder	Epoxy											
Solids	55 ±2% by volume											
Total mass of solids	Approx. 1100 g/l											
Volatile organic compound (VOC)	Approx. 430 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	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr></thead><tbody><tr><td>60</td><td>109</td><td>9.2</td></tr><tr><td>80</td><td>145</td><td>6.9</td></tr></tbody></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)	60	109	9.2	80	145	6.9	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.	
Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)										
60	109	9.2										
80	145	6.9										
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.											
Colours	AN100 green (army) MN100 mid grey (navy)											
Gloss (60°)	Full-matt 4 ± 2 (EN ISO 2813:1999, 60°), dry film thickness 60 µm)											
Hardener	Comp. B: INERTA PRIMER 5/INERTA 51 MIOX HARDENER											
Mixing ratio (A:B)	4:1 parts by volume											
Pot life, +23 °C	8 h											
Thinner	TEKNOSOLV 9506											

Storage

The storage stability is shown on the label. Must be stored tightly closed and kept cool.

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 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

ZINC SURFACES: Hot-dip-galvanized steel structures that are exposed to atmospheric corrosion can be painted if the surfaces are sweep blast-cleaned (SaS) till matt all over. Suitable cleaning agents are, e.g. aluminium oxide and natural sand. It is not recommended according to standard ISO 12944-5 to paint hot-dip-galvanized objects that are subjected to immersion strain. Painting of hot-dip-galvanized objects that are subjected to immersion strain must be discussed separately with Teknos. It is recommended that new zinc-coated thin-plate structures are treated with sweep blast-cleaning (SaS). Thin-plate surfaces that have been weathered to matt can be treated also with RENSA STEEL washing agent for galvanized surfaces.

ALUMINIUM SURFACES: Treat the surfaces with RENSA STEEL washing agent for galvanized surfaces. Surfaces that are exposed to weathering are also roughened up with sweep blast-cleaning (AlSaS) or sanding.

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.

Surfaces painted with TEKNOZINC 90 SE: Clean the surfaces before any further paint coats are applied.

Prefabrication primer: KORRO E Epoxy, KORRO SE Zinc Epoxy and KORRO SS Zinc Silicate Prefabrication Primers can be used, when required.

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

Application method

Airless spraying

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 the 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 0.013 - 0.021 ". Brush can be used for touching up and painting small areas.

Application conditions

The surface to be treated has to 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%.

Thinning

If needed, thin the paint with TEKNOSOLV 9506.

Drying time

+23°C / 50% RH (dry film 60 µm)

- dust free

1 h (ISO 9117-3:2010)

- touch dry

4 h (DIN 53150:1995)

Overcoatable

Surface temperature	by itself		with INERTA 70 CAMOUFLAGE PAINT	
	min.	max.*	min.	max.*
+10°C	18 h	6 months	18 h	7 d
+23°C	6 h	6 months	6 h	3 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.

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