

KORRO E

Prefabrication primer

KORRO E is a two-pack prefabrication primer based on epoxy resin.

Used as a temporary protection on blast-cleaned steel. KORRO E is compatible with all types of paints excluding zinc rich paints.

The paint has received approval for welding by Det Norske Veritas (Certificate no. TAK00001D4).

KORRO E has a good resistance to heat, solvent and oils.



TECHNICAL DATA

Certificates, approvals and classification	Det Norske Veritas
Recommended substrate	Steel, Aluminium
Binder	Epoxy
Solids	33 ±2% by volume
Total mass of solids	Approx. 600 g/l
Volatile organic compound (VOC)	Approx. 620 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	The typical theoretical dry film thickness 18 µm is equivalent to a wet film of 55 µm on a smooth surface. The theoretical spreading rate is then 18.2 m ² /l, see standard SFS-EN 10238.
Practical spreading rate	In practice, the spreading rate on surfaces prepared by centrifugal abrasive blast-cleaning has been found to be between 8 - 13 m ² /l.
Colours	Grey, red and yellow.
Gloss (60°)	Matt
Hardener	Comp. B: KORRO E HARDENER
Mixing ratio (A:B)	2:1 parts by volume
Pot life, +23°C	48 h
Thinner	TEKNOSOLV 9514 (highly flammable)
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 any contamination that may hamper the removal of rust and mill-scale by washing with steam jets or hot water or by flame-cleaning. Thereafter the surfaces are prepared in centrifugal abrasive blast-cleaning lines to preparation grade Sa 2½.

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.

Application method

Airless spraying

Suitable airless nozzle size 0.018 - 0.026".

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.

Apply as evenly as possible. The best result is achieved by an automatic airless spray.

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 70%. 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

- dust free

1 - 2 min (ISO 9117-3:2010)

- touch dry

3 min (ISO 9117-5:2012)

Overcoatable

surface temperature	by itself or by suitable primers	
	min.	max.
+10 °C	20 h	-
+23 °C	10 h	-

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 9514 or TEKNOSOLV 9506.

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.

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