

**KORRO SS**  
**Prefabrication Primer**

<b>PAINT TYPE</b>	KORRO SS is a two-pack prefabrication primer based on ethyl silicate and zinc dust.
<b>USAGE</b>	The paint is used as temporary protection on blast-cleaned steel.
<b>SPECIAL PROPERTIES</b>	<p>Even a thin coat of KORRO SS provides good protection against corrosion. The paint has good resistance to abrasion, heat, oils and solvents. KORRO SS allows considerably better welding and flame-cutting than common zinc rich prefabrication primers.</p> <p>The paint has received an approval for welding by Det Norske Veritas and Germanischer Lloyd.</p>

**TECHNICAL DATA**

<b>Mixing ratio</b>	Comp A: KORRO SS Zinc dust paste Comp B: KORRO SS Silicate part	1 part by volume 1 part by volume
<b>Pot life, +23 °C</b>	24 h	
<b>Solids</b>	30 ±2% by volume	
<b>Total mass of solids</b>	abt. 710 g/l	
<b>Volatile organic compound (VOC)</b>	abt. 550 g/l	
<b>Recommended film thickness and spreading rate</b>	<p>The recommended dry film thickness 15 µm is equivalent to a wet film of 50 µm on a smooth surface. The theoretical spreading rate is then 20 m<sup>2</sup>/l, see standard SFS-EN 10238.</p> <p>In practice, the spreading rate on surfaces prepared by centrifugal abrasive blast-cleaning has been found to be 10 - 17 m<sup>2</sup>/l.</p>	
<b>Drying time</b>		
<b>Drying time at +23°C / 50% RH</b>		
- dust free (ISO 9117-3:2010)	after 3 min	
- touch dry (ISO 9117-5:2012)	after 6 min	
<b>Overcoatable</b>		

surface temperature	by epoxy, chlorinated rubber, vinyl or suitable alkyd paints	
	min.	max.
<b>+5°C</b>	after 24 h	-
<b>+23°C</b>	after 24 h	-

<b>Thinner</b>	TEKNOSOLV 9514 (highly flammable) or TEKNOSOLV 6060 (highly flammable, non-aromatic)
<b>Clean up</b>	TEKNOSOLV 9514 or TEKNOSOLV 9506
<b>Finish</b>	Matt
<b>Colours</b>	Grey, red
<b>SAFETY MARKINGS</b>	See Safety Data Sheet.

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**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 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.

**Mixing of the components**

Mixing ratio: 1 part Zinc Dust Paste to 1 part Silicate by volume. Mix only an amount sufficient to be used within the pot life of 24 hours (at +23°C). Mix the components with each other 15 minutes before use and stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mix ratio results in imperfect curing and impaired film properties. Sieve the paint just before use through a screen cloth of 40 - 60 mesh to remove lumps of zinc.

**Application conditions**

The surface to be painted must be dry. The temperature of the ambient air, the surface and the paint shall be above 0°C and the relative air humidity between 50 and 90% during the application and drying period. 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**

Apply as evenly as possible. The best result is achieved by an automatic airless spray, nozzle size 0.018 - 0.026".

The paint must frequently be stirred in the course of work in order to avoid sedimentation of the zinc dust.

**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.

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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](http://www.teknos.com).

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