

TRS ZINC SILICATE _____ 0011

Product description:

TRS Zinc Silicate is an inorganic zinc rich primer that protects steel galvanically, eliminating sub-film corrosion. Recommended thickness can be applied in one coat.

TECHNICAL DATA

Type	Self curing, solvent based inorganic Zinc silicate.		
Recommended use	As a single coat protection of steel structures in weathering exposure, and as a base coat for organic and inorganic topcoats in severe services. Excellent as tank lining for product and chemical tankers		
Surface Preparation	Remove any oil or grease from the surface to be coated. Dry abrasive cleaning to min. standard Sa 2.5 (ISO 8501-1). Blast profile 25-75 microns.		
Physical Data	Colour	: Grey (Greenish on request)	
	Flash point	: 13°C	
	Volume solids	: 68% (Total Zinc in dry film: 86%)	
	Temperature Resistance:	Continuous:	400 °C Non-Continuous: 430°C
Application Details	Mixing ratio	:Part A:B = 10:22 by weight*	
	Thinner	:Thinner No.26 in hot and windy conditions and Thinner No.21 at temp. below 15°C.	
	Application Data	:Airless spray, brush, roller Stir well before use.	
		Minimum temperature	: -18 °C
		Maximum humidity	: 99%
		For airless spray:	
		Nozzle : 0.019"-0.023" Angle	: 65° -80°
		Paint output pressure	: 110 Kg/cm ² (1600Psi)
		Thinning	: 0 - 20 % (by volume)
	Film Thickness	:Wet	:110 microns
		Dry	: 75 microns
	Spreading Rate	:9.1 m ² /ltr (at DFT 75 microns)	
	Specific Gravity	:Approx. 2.6 Kg/Ltr. mixed	
Preferable preceding coating	Apply over suitable prepared steel as recommended.		
Preferable subsequent coating	May be to coated with epoxies, vinyl, acrylic, C.R., Silicones or others as recommended. Under coating certain conditions a mist-or tie coat is required to minimize topcoat bubbling.		
Packing	Two packs product.		

Note: ·power mix base until uniform. Sift Zinc filler slowly into premixed base with continuous agitation. Mix until free of lumps and pour the mixture through a 30 mesh screen. Mixing ratio is 10 parts b.w. part A (base) and 22 part b.w. part B (zinc dust).

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Coating data

	Temperature	5 °C	15°C	25°C	35°C
Drying time (at DFT 75µ)	surface dry	1 hr	45mins	45 mins	15 mins
	hard dry	72 hrs	48 hrs	18 hrs	14 hrs
Overcoating intervals (at DFT 75µ)	minimum	48 hrs	48 hrs	18 hrs	16 hrs
	maximum	---	---	---	---

Pot Life : 8 hours at 24°C and less at higher temperatures.

Health and Safety Risk phrases:
Safety phrases
Contains

The Personal Protection advice for this product is listed under P.P.A. No. 3/5. Additional information can be obtained from the product Health and Safety Data Sheet which is available on request. The minimum safety precautions in dealing with this paint are:

- a. Observe the precautionary notices displayed on the container.
- b. Provide adequate ventilation.
- c. Avoid skin contact and inhalation of spray mist.
- d. If the product comes into contact with the skin, wash thoroughly with luke warm water and soap. If the eyes are contaminated, rinse with water and seek medical advice immediately.
- e. Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Definitions	Tolerances	The numerical information quoted in this Technical Data Sheet is subject to normal Manufacturing tolerances.
	Spreading Rate	The spreading rate can vary depending on application conditions, the geometrical complexity of the structure, the weather conditions, etc.
	Volume Solids	The volume solids figure given in this Technical Data Sheet is the percentage of dry film obtained from a given wet film thickness under specified application rate and conditions measured by the manufacturer Standard Method corresponding to ASTM method D2697.
	Overcoating Intervals	The intervals given assume preparation consistent with good painting

Safety information When Health, Safety or Environmental information is required a Health and Safety Data Sheet can be obtained from the manufacturer.

Note: For accelerated curing, glow an initial 2 hour ambient cure followed by a water steam misting to keep the coated surface wet for minimum 12 hours.

Loose zinc must be removed from the cured film by rubbing with fiberglass screen wire when used as tank lining and zinc pick up could be detrimental, and in the event of dry spray is evident on the cured film and topcoat will be applied. Any salting that appears on zinc surface as a result of prolonged weathering exposure must be removed prior to the application of additional coatings.