



# INORGANIC ZINC SILICATE PRIMER

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## Product information

- 1-Outstanding resistance against weathering and abrasion.
- 2-Excellent chemical resistance with in PH range 5.5-9.5.
- 3-Offers cathodic protection of local mechanical damage.
- 4-Low voc.
- 5-Resist temperatures up to 400<sup>°</sup>c.

## Physical data

Colour:	Grey		
Finish:	Flat		
Flash point:	11 <sup>°</sup> c		
resin:	-		
cure:	-		
solvent:	-		
Volume solids:	61 ±2%		
D.f.t:	50-75 microns		
Specific gravity(mixed):	3.05 ±0.1 gr/cm <sup>3</sup>		
Theoretical coverage:	12.2 m <sup>2</sup> /lit (at 50μ d.f.t)		
Drying time at 20 <sup>°</sup> c:			
touch dry:	10-15 min (at relative humidity 56%)		
dry to handle :	2 hrs (at relative humidity 56%)		
full cure:	5 days (at relative humidity 56%)		
Component:	2		
Pot life:	min3 hrs at 25 <sup>°</sup> c		
Mixing ratio(by volume):			
resin:	Refer to can label		
powder:	Refer to can label		
Application methods:	Brush or airless spray ,conventional spray		
Recoat intervals*:	10 <sup>°</sup> c	25 <sup>°</sup> c	40 <sup>°</sup> c
(mild condition) : Min:	4 hrs	2 hrs	1 hrs
Max:	50 hrs	24 hrs	12 hrs
Recommended thinner:	-		
Recommended cleaner:	FARCO CLEAN 50		
Shelf life:	6 months when stored indoors in unopened Original containers at 5 to 40 <sup>°</sup> c (cool and dry Place).		
Curing mechanism:	By solvent release and reaction with atmospheric moisture		
Substrate:	Steel		

\*: For recoating the surface should be free of dust ,grease and contamination .



## Typical uses

As a general purpose rust preventing primer in paint systems.

For long-life protection of steel exposed to moderately to severely corrosive environment.

## Application information

This Rangan Far's product is a inorganic zinc silicate coating for industrial and marine use.

It combines the proven corrosion control properties of an inorganic zinc silicate with environmental compatibility.

To obtain the maximum performance for which this product is formulated, strict adherence to all application, instructions, precautions, conditions and limitations is necessary.

## Application equipment

The following equipment is listed as a guide and suitable equipment from other manufactures may be used.

Adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

1-Airless spray: standard airless spray equipment, having a fine finish tip with a 0.4 mm to a 0.55 mm or larger.

2-Conventional spray: industrial equipment with suitable air cap having a fluid tip with a 1.4-1.6 mm orifice .

3-Mixer: mixer must be powered by an air motor or an explosion proof electric motor.

## Caution

1-Handle with care.

2-Avoid inhalation of possible solvent vapours or Paint mist, as well as paint contact with skin and eyes.

3-Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant.

4-Always take precautions against the risks of fire and explosions.

5-Harmful or fatal if swallowed, immediately seek medical assistance.

6-Use fresh air masks and explosion proof equipment.

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## Application procedure

- 1-Flush equipment with recommended cleaner before use.
- 2-Stir resin to an even consistency with a power mixer.
- 3-Add zinc dust to resin little by little and continue stirring for 5 minutes .

Note:since the pot life is limited and shortened by high temperatures ,do not mix more material than will be used in 3 hours at 20 °C.

- 4-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes.
- 5-Clean all equipment with cleaner immediately after use or at least at the end Of each working day or shift .

## Environmental condition

Environmental temperature must be 10-40°C.  
Surface temperature must be at least 3°C above dew point to prevent condensation. At freezing temperature surface must be free of ice and relative humidity below 80 %.

## Surface preparation

Sand blasting to standard of Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.

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