

Colorama PS1001

SILPROTECT

A two pack moisture curing inorganic ethyl zinc silicate primer and coating.

Properties and Areas of Use

- Excellent anticorrosive properties
- Used as a tank lining or as a high performance system primer
- Resists splash of strong solvents
- Very good impact and abrasion resistance
- Temperature range of coated substrate can vary from -50°C to +600°C
- Do not expose to severe acidic or alkaline mediums

Technical Coating Data @ 25 °C for mixed material

Finish	Flat
Color Range	Grey
Solids Volume	65 ± 2%
Dry Film Thickness Range	50-125 µm
Theoretical Spreading Rate	8.67 m ² / L @ 75 microns DFT (loss factors will apply in practice)
Surface Dry	30 min.
Recoat Interval	16 hours minimum 7 days maximum
Complete Cure	24 hours
Pot Life	3 hours
Flash Point	12°C
Shelf Life	6 months minimum for binder part 12 months minimum for pigment part
Mixing Ratio by Weight	30 Part A (Liquid) 70 Part B (Powder)
VOC	326 g/L

Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (µm)	50	125	75
Film Thickness, wet(µm)	77	192	115
Theoretical Spreading Rate (m ² /L)	13	5.2	8.67

Suitable Surfaces

- Steel and non ferrous metals properly prepared and blast cleaned to ISO-Sa2½
- Concrete free of contamination, dust and efflorescence, and properly prepared

Bare Steel:

Cleanliness: Blast – cleaning to Sa2 1/2 (ISO-8501-1:2007). Power tool cleaning to min. St2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions.

Shopprimed Steel:

Clean, dry and undamaged approved shopprimer

Coated Surfaces:

Clean, dry and undamaged compatible primer .

Other Surfaces:

For aluminium substrates , thorough washing and sweeping with a nonmetallic blast medium is required.

Application Conditions

Substrate temperature should be 10°C or above for application and during cure and a minimum of 3°C above the dew point. Adequate dry air ventilation is recommended for optimum drying.

Application Information

Thinning should only take place after the two components have been thoroughly mixed.

Brush and Roller

Thin if required with 0-5% Paint Thinner Colorama TH933.

Conventional Air Spraying

- Thin with 5-25% Paint Thinner Colorama TH933, as required.
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0.4Mpa) approximately

Airless Spraying

- Thin with 0-20% Paint Thinner Colorama TH933, as required
- Tip size - 0.58-.79 mm approximately
- Tip pressure - 2100 psi (15Mpa) approximately

Cleaning Thinner

Equipment should be cleaned immediately after use with Paint Thinner Colorama TH933.

Drying time:

Drying times are affected by air ventilation, temperature, film thickness and number of coats.

Substrate Temp.	10° C	25° C	40° C
Surface Dry	1 h	30 min	15 min
Through Dry	16	8	6
Dry to recoat, minimum	24	16	12

The given data serve as guideline only. The actual drying time differs according to film thickness, ventilation, humidity and underlying paint system.

Typical paint system:

SILPROTECT	1 x 75 µ
PRIMAPOX MIO	1 x 150 µ
URELUX	1 x 50 µ

Storage:

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling:

Handle with care. Stir well before use.

Packing Size:

18 L

Summary Safety Information

- Avoid inhalation of spray mist and skin contact by the use of masks, gloves and other personal protection. Eyes should be cautiously washed with water or proprietary wash, and medical attention obtained. Skin should be thoroughly washed using a cleanser and soap and water.
- Product is flammable
- No sparks or flames
- No smoking

The information given in this data sheet represents test results & practical experience obtained under controlled conditions, and are correct to the best of our knowledge. However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice.