

## PRODUCT SPECIFICATIONS

### Product Description

A two component, heat resistant primer formulated based on a modified silicone binder and pigmented with zinc dust.

### Design Feature

- A heat resistant primer coating for use on steel substrates subjected to temperatures of up to 600°C in a wide range of industrial environments, e.g. petrochemical plants, power stations, offshore structures etc.
- Designed to be overcoated with Luxatherm 5200, Luxatherm 5600 or Luxatherm 6200 heat resistant finishes.
- Air dries tack-free at room temperature. Achieves fully cured state on subsequent baking, normally achieved when coated component is brought into service.
- Excellent adhesion to steel with outstanding anti-corrosive performance.

### Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	77	40	13

Volume Solids	:	52 % (based on ASTM D2697)
Dry Film Thickness Range	:	30 µm to 40 µm
Flash Point	:	38 °C
Finish	:	Matt
Colour Range	:	Grey
Standard Packing Size	:	5 litres set (4.74 litres Base : 1.85 kg Pigment)
Mix Ratio (by volume)	:	4.74 litres Base : 1.85 kg Pigment

### Application Method

AIRLESS SPRAY	:	Tip Size	:	0.48- 0.53 mm ( 19 -21 thou )
Recommended method of application	:	Pressure	:	140 -165 kg/cm² (2000 - 2400 psi)
		Remove filters/strainers from airless spray equipment before application. Sieve the mixed paint through a 60-mesh filter before application to prevent clogging of the spray tip.		
BRUSH OR ROLLER	:	May be used.		

\*Note: Mix the pigment component slowly into the binder component while stirring using a mechanical stirrer / agitator to ensure a homogenous mix, free from lumps.

### Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	15 minutes	2 hours*	32 hours	Indefinite	32 hours
25 °C	10 minutes	1 hour*	16 hours	Indefinite	24 hours
35 °C	5 minutes	30 minutes*	8 hours	Indefinite	16 hours

### Useful Information

THINNER	:	SOLVALUX 7-25 (Maximum 10% addition)
CLEANER	:	SOLVALUX 7-25
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

## Surface Preparation

The service life span and the service performance of LUXATHANE 5700 are directly related to the degree of surface preparation.

### STEEL

This product should be applied on rough power tool cleaned steel surface. If this is not carried out effectively, contaminants present on the steel surface can cause loss of adhesion of the coating system when the temperature is raised when the coating is brought into service.

- Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- The surface to be coated must be clean and dry.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

## Suitable Finish Undercoats

Luxatherm 5200, Luxatherm 5600, Luxather 6200

## Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Do not overapply this coating. Over-application may lead to blistering and delamination in service.

## Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

## First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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