

PRODUCT SPECIFICATIONS

Product Description

A single component, heat resisting paint formulated based on an air drying oleoresinous binder system and pigmented with aluminium flakes.

Design Feature

- A heat resistant coating for use on steel subjected to temperatures of up to 200°C in a wide range of industrial environments, e.g. petrochemical plants, power stations, offshore structures etc.
- Also suitable for use as a general purpose aluminium maintenance coating for steel under ambient exposure conditions, e.g. exteriors of bulk storage tanks.
- Excellent adhesion to poorly prepared steel substrates and aged coatings.
- Highly attractive and brilliant aluminium finish.
- Easy to apply and trouble free easy maintenance coating.

Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	53	25	18.8

Volume Solids	:	47% (based on ASTM D2697)
Dry Film Thickness Range	:	25 µm to 50 µm
Flash Point	:	38 °C
Finish	:	Brilliant Metallic
Colour Range	:	Aluminium
Standard Packing Size	:	5 L

Application Method

AIRLESS SPRAY	:	Tip Size : 0.33– 0.38 mm (13 – 15 thou) Pressure : 110 –150 kg/cm² (1600 – 2100 psi) Do not overapply. Over-application will slow down drying and handling times.
BRUSH OR ROLLER	:	May be used. However, the finished aesthetic appearance of the coating will not be as brilliant and attractive as when it is spray applied.
CONVENTIONAL AIR SPRAY	:	May be used.

Drying Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Min.	Max.
15 °C	4 hours	12 hours	24 hours	Indefinite
25 °C	3 hours	8 hours	16 hours	Indefinite
35 °C	2 hours	6 hours	12 hours	Indefinite

Useful Information

THINNER	:	SOLVALUX 7-25 (Maximum 5% addition)
CLEANER	:	SOLVALUX 7-25
STORAGE	:	Store in a cool dry shaded area.

Surface Preparation

The service life span and the service performance of Luxatherm 5200 is directly related to the degree of surface preparation.

STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- Ensure that freshwater jetting is carried out to remove all loose contaminants and soluble salt deposition.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking aged coatings should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to a minimum standard of St 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface.
- Where necessities remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

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 Primers

Luxatherm 1600, Zincanode 330 Luxaprime 1501, Luxaprime 1801

Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- This product is not suitable in use in immersed conditions.
- Do not apply this product directly onto zinc primer, galvanised substrate without a suitable tie-coat.
- Do not exceed the recommended film thickness to avoid blistering during 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.

R1-072025