

LUXATHERM 5600

High Heat Resisting Finish (600°C)

PRODUCT DESCRIPTION

A product that has been formulated on a modified silicon resin and is pigmented with aluminum flake to give heat resistance up to 600°C

- Single pack easily-applied coating with an attractive metallic finish.
- Good oil resistance.

DESIGNED USE

- Protects metal surfaces with surface temperatures up to 600°C.
- A heat resistant coating for hot metal equipment in the oil and chemical process industries.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	30 % $\pm$ 2 %
TYPICAL DRY FILM THICKNESS	25 microns
WET FILM THICKNESS	85 microns
THEORETICAL COVERAGE	12.0 m ² /litre @ 25 microns dft
COLOUR	Natural Colour of Aluminium
FINISH	Low Sheen Metallic gloss

APPLICATION DETAILS

METHOD OF APPLICATION:				
AIRLESS SPRAY		May be used, though brush/ roller is preferred: Maximum 5% Thinner may be added		
CONVENTIONAL SPRAY		This is also a suitable method of application. Maximum 20% Thinner may be added Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in) Pressure: 2.75 - 3.45 kg/cm ² (40 - 50 psi)		
BRUSH OR ROLLER		This is the recommended method of application		
DRYING TIME:				
Surface Temperature	Touch Dry	Hard Dry ¹	Re coating Interval	
			Minimum	Maximum
15°C	30 Mins	See below	32 Hrs	Indefinite
25°C	15 Mins		16 Hrs	Indefinite
35°C	10 Mins		8 Hrs	Indefinite
45°C	5 Mins		6 Hrs	Indefinite
NO. OF COMPONENTS		One		
Application Conditions		Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point		
Hard Dry ¹		This product will only harden if the temperature is raised to 200° C for a minimum of 5 hours (normally as the coated item is brought into service.)		
Thinner / Cleaning solvent		Solvalux 7-25		
Storage Instruction		Store in a cool shaded dry area		
Flash Point		26°C		
Packaging		5 liters & 20 liters		
Shelf Life		12 months from the date of manufacture.		

ADDITIONAL INFORMATION

SURFACE PREPARATION

For optimum performance, this product should be applied to a surface that has been blast cleaned and suitably primed (e.g. with ZINCANODE 330 or LUXATHERM 1600). The surface preparation for the primer should be as follows:

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPL.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa 2 1/2 Swedish Standard SIS 055900 or ISO 8501-1 : 1988
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 25 microns is acceptable, but this average should not exceed 50 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean and dry.
- If a zinc primer is used, it must be clean, dry and free from zinc salts prior to applying LUXATHERM 5600. Alternatively 2-3 coats of LUXATHERM 5600 can be applied directly on blasted surface

PRODUCT USE RESTRICTIONS

- This product will not withstand highly acidic condition.
- ZINCANODE 330 should only be used as a primer if the operating temperature is 350°C.

SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- 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.
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent 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.

DISCLAIMER

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.