



BERGER **Protecton** PROTECTIVE COATINGS

Lumeros 37 Silicone Acrylic Finish

USES

Suitable for use on stacks, ductings, equipment, pipings, etc.,

SCOPE

A protective coating designed for use in areas where heat resistance is required along with resistance to weather and moisture.

PRODUCT DATA Suitable for use on steel, subject to elevated temperature. It is recommended for application over Zinc Silicate Coating or Epoxy Zinc Primer.

RESISTANCE GUIDE

Type : Single Pack

Composition : Modified Silicone Acrylic medium suitably pigmented.

Application : Brush or Conventional Spray

Recommended DFT : 40 - 50 microns per coat

Corresponding WFT : 105 -130 microns per coat

Theoretical Spreading Rate : 7.6 to 9.5sq.mtr/ltr/coat

Drying Time :

TOUCH : 1 Hour

HARD : Overnight

Curing Time : After application of final coat allow the system to dry for minimum 24 Hrs, under ambient condition. The temperature is then to be gradually increased to the working temperature range for obtaining optimum performance.

Overcoating Interval :

MIN : 24 Hours

Flash Point : Above 200 C

Colour : White & Grey

Finish : Medium High Gloss

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 853

Storage Life : Upto nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

Chemical Resistance :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUT DOOR RESISTANCE
Acids	Good	Good
Alkalis	Fair	Fair
Solvents	Poor	Poor
Salt	Good	Good
Water	Good	Good

Temperature Resistance :

Continuous: upto 2000 C

Intermittent: 2500C

Weatherability : Excellent

Flexibility : Good

Abrasion Resistance : Moderate

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SURFACE PREPARATION

Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast Clean to a minimum of Sa 2 1/2 Swedish Std. SIS 05 5900 with a surface profile not exceeding 35 - 40 mic for Zinc Silicate Primer application and 25 - 30 mic for direct application of Lumeros 37 on blasted steel.

If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St:2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces.

The metal or primed surface should be clean and dry before application of Lumeros 37 Silicone Acrylic Finish. Blasting is a must if Silicone Acrylic is applied over Inorganic Zinc Silicate / Epoxy Zinc Coating.

APPLICATION

Mix the contents thoroughly before and during use.

Brush : Apply without thinning to recommended thickness.

Conventional Spray : Add upto 3% Thinner 853, depending on conditions. Use any standard equipment at an atomizing pressure of 2.8 - 3.5 Kg/Cm²

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Lumeros 37 Silicone Acrylic Finish	Lumeros 37 Silicone Acrylic Finish
-DO-	Lumeros 37 Silicone Acrylic Finish	Lumeros 37 Silicone Acrylic Finish	-

Notes :

1. Do not apply when temperature falls below 10o C or rises above 50o C and when relative humidity rises above 90%. Do not apply during rain, for or mist.
2. Addition of Thinner in paint is normally not advisable.
3. Brushes and spray equipment should be cleaned with Thinner 853 otherwise equipment is likely to be damaged.
4. The coating has to be air dired for a min. of 24 Hrs, before putting into service at elevated temperature.

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their

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