

PRODUCT CHARACTERISTICS

Multi-purpose, single pack, water-based silicon topcoat with good corrosion resistance property. Ideal for mufflers, ovens, chimneys, oven inserts, electric and gas heaters, hot stacks, high temperature reaction tanks, etc.

Excellent heat resistance up to 350°C. Higher temperature possible up to 600°C (based on metallic pigment). Can be applied on hot surface up to 120°C with care and full PPE (due to little co-solvent content of less than 5%).

Ideal as a colour topcoat with excellent air drying and UV resistance.

PRODUCT DESCRIPTION

Single pack, water-based silicon coating.

PRODUCT INFORMATION

Colour:	Can be supplied in different colours but limited to heat resistant pigment.
Volume solids (v/v%):	40 ± 1%
Physical form:	Liquid.
PH:	Neutral.
Typical thickness range:	DFT: 40µ - 80µ WFT: 100µ - 200µ
Theoretical coverage:	10 - 5 m ² /ltr
Temperature resistance:	350°
Pack sizes:	5 and 20 ltr (other pack sizes are available on request).

APPLICATION DATA

Method:	Brush, roller and conventional/airless spray with full protection.
Thinner:	Not normally required. Can be diluted with water (max 20%) for spraying.
Cleaner:	Water.
Pot life:	Unlimited.
Drying time@ 20°C:	1 - 2 hrs (Air dried coating is hard enough for handling and early protection).
Full cure and protection:	Develops after reaching the operating temperature (in situ) or 45 min @ 250°C

SURFACE PREPARATION

All surfaces must be free from loose or flaking paint and thoroughly degreased and dust-free.

ENVIRONMENTAL CONDITIONS

Ideal environmental conditions for application are: -

Temperature: 10 - 30°C

Relative humidity: < 70%

Good ventilation and airflow is required to effect satisfactory curing.

(Outside these conditions, please consult the manufacturer).

Application at high humidity and/or low temperatures will extend drying and curing times.

Note:

When applying on hot surfaces @ 30°C or above, there is no humidity limitation.

SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL to ensure that its products are handled and applied by professionally approved and skilled applicators.

Application shall be carried out in accordance with instructions contained in this data sheet and referenced to CHEMCO INTERNATIONAL TECHNICAL SPECIFICATION MANUAL.

CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

STORAGE

Store in cool, dry conditions (not less than 4°C or above 20°C).

Keep away from direct heat source and sunlight.

When not using the material always replace the lid on the container.

SHELF LIFE

At least 12 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C.

At any other storage conditions please refer to manufacturer for advice.

DISCLAIMER: The information contained herein is, to the best of our knowledge, accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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