

# PRODUCT SPECIFICATIONS

## ABCOTHERM 5600

Silicone Heat Resisting Finish (600 °C)

### PRODUCT DESCRIPTION

A single component, heat resisting paint formulated based on modified silicone binder and pigmented with aluminium flakes.

### DESIGN FEATURES

A heat resistant finish coating for use on primed steel substrates subjected to temperatures of up to 600°C in a wide range of industrial environment, e.g. petrochemical plants, power stations, offshore structure etc.

Suitable for both new construction and as a maintenance coating.

Excellent weathering properties and overall durability.

Air dries tack-free at room temperature. Achieves fully cured state on subsequent baking, normally achieved when coated component is brought into service.

### PHYSICAL CHARACTERISTICS

Recommended Application Data	Wet (µm)	Dry (µm)	M <sup>2</sup> /ltr
Theoretical Coverage	60	25	16.8

Specific Gravity	1.13 ± 0.1 Kg/ltr
Volume solids	42% (based on ASTM D2697)
Dry Film Thickness Range	25 µm to 50 µm
Flash Point	38 °C
Finish	Metallic Sheen
Colour Range	Aluminium
Standard Packing Size	5 litres & 20 litres
VOC	550 grams / ltr
Shelf Life (cool & dry place)	12 months
Temperature	Up to 600°C

### APPLICATION METHOD

AIRLESS SPRAY	Tip Size : 0.33 - 0.38 mm (13 - 15 thou)
Recommended method of application	Pressure : 110 - 150 kg/cm <sup>2</sup> (1600 - 2100 psi)
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 & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
26 °C	20 minutes	1 hour	12 hours	Indefinite	24 hours
32 °C	15 minutes	45 minutes	10 hours	Indefinite	18 hours
36 °C	10 minutes	30 minutes	8 hours	Indefinite	16 hours
40 °C	8 minutes	25 minutes	6 hours	Indefinite	8 hours

### USEFUL INFORMATION

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



## SURFACE PREPARATION

The service life span and the service performance of ABCOTHERM 5600 are directly related to the degree of surface preparation.

### STEEL

This product should be applied to an abrasive blast cleaned surface that has been suitably primer e.g. with Abcotherm 1600 or Abconode 330. Please follow surface preparation requirements of the specific primer being used.

- Ensure that the surface to be coated is clean and dry.
- Remove all wax, oil and grease by solvent cleaning in accordance with guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- A freshwater wash is recommended to remove all loose contaminants and soluble salt deposition.
- Always ensure that the maximum over-coating time for the primer / build coat is not exceeded prior to application.
- Apply Abcotherm 5600 as specified taking care not to exceed recommended film thickness.

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.

## TYPICAL COATING SPECIFICATION

Substrate Surface	Priming	2 <sup>nd</sup> Coat	3 <sup>rd</sup> Coat
STEEL Abrasive Blasted Sa2½	ABCOTHERM 1600	ABCOTHERM 5600	ABCOTHERM 5600
	ABCOZINC 330	ABCOTHERM 5600	ABCOTHERM 5600

## NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your ABCO Paints representative.
- Do not over-apply this coating. Over-application may lead to blistering and delaminating 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)**

## DISCLAIMER

*The information provided on this data sheet is not intended to be complete and 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 or 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.*