

SILICONE HT 600 ENAMEL

PRODUCT DESCRIPTION

A specialised product based on a pure silicone resin pigmented with aluminium flake for high temperature service. Silicone HT 600 can be used on surfaces up to 600°C.

USES

Suitable for boiler pipes, flare stacks, fire surrounds, exhaust pipes, auto manifolds and most metallic surfaces subject to high temperature.

TECHNICAL PROPERTIES

Colour	Aluminium		
Finish	Bright Lustre		
Curing Agent	n/a		
Mix Ratio	n/a		
Specific Gravity	1.08		
Volume Solids	35%		
Recommended Film Thickness	70µm WFT / 25µm DFT		
Theoretical Spreading Rate	14 m ² /litre		
Application Method	Brush, Roller, Spray		
Flash Point	23-31°C		
VOC	560 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry	2 hours	1 hour	45 minutes
Hard Dry	-	-	-
Minimum Overcoat	6 hours	4 hours	3 hours
Fully Cured	200°C for 1 hour	200°C for 1 hour	200°C for 1 hour

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS

Usually a one coat system

SURFACE PREPARATION

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. Ideally blast clean to a minimum SA 2½ and paint within 2 hours.

PRODUCT APPLICATION

Mixing	Stir well before use.
Thinners	Thinner No.4
Brush	Do not thin. Small areas only. Substrate temperature at application must be cool. After drying, heat up to service temperature. Apply 1-2 coats as required.
Roller	Do not thin. Small areas only. Substrate temperature at application must be cool. After drying, heat up to service temperature. Apply 1-2 coats as required.
Conventional Spray	Thin up to 5% Thinner No.4 Use 30-40 psi pressure and 1.4-1.8 mm diameter nozzle.
Airless Spray	Thin up to 2% Thinner No.4 Use tip 0.28-0.38 mm, 50-65° angle and 1800 psi pressure. Abrasive product, can cause high nozzle wear when sprayed.
Air Assisted Airless Spray	Thin up to 5% Thinner No.4 Use 1000-1500 psi pressure and 1.4-1.8 mm diameter nozzle.
Cleaner	Thinner No.4
Cleanup Considerations	All equipment should be cleaned immediately after use with Thinner No.4 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited.
The user must observe local health, safety and environmental regulations when using this product.
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

2½ litre

PACK WEIGHTS

2½ litre: 2.7 Kg.

STORAGE CONDITIONS

Store away from extremes of temperature. Ensure water contamination is avoided.

LIMITATIONS

Do not apply when RH exceeds 88% or the surface is less than 2°C above dew point. Drying will be affected in cold conditions. Spillage of acid or alkali may affect the dried film.

*** FILM WILL ONLY CURE AFTER HEATING CYCLE ***

DISCLAIMER

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It is the user's responsibility to ensure that this sheet is current prior to using the product.