



Product Data

HEMPEL'S SILICONE ACRYLIC 56940

Description: HEMPEL'S SILICONE ACRYLIC 56940 is a heat resistant acrylic modified polysiloxane paint. It is air drying at ambient temperature.

Recommended use: For long-term protection of hot pipelines, exhaust pipes, smoke stacks and other hot surfaces up to 200°C/390°F, resist short time exposure up to 300°C/572°F. When heated to above 200°C/390°F for longer periods a certain discolouration may occur, which do not affect the protective properties of the product. In corrosive environment see PRECEDING COAT overleaf.

Service temperatures: Maximum, dry exposure only: Aluminium shade: 400°C/752°F,
Other shades: 200°C/392°F.

Availability: Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos.: Aluminium/19000*
Finish: Semi-flat (see REMARKS overleaf)
Volume solids, %: 29 ± 1
Theoretical spreading rate: 11.6 m²/litre - 25 micron
465 sq.ft./US gallon - 1.0 mil
Flash point: 25°C/77°F
Specific gravity: 1.1 kg/litre - 9.2 lbs/US gallon
Surface dry: ½ (approx.) hr at 20°C/68°F (ISO 1517)
Dry to touch: 1-2 hours at 20°C/68°F
V.O.C.: 605 g/litre - 5.0 lbs/US gallon

**Other shades according to assortment list.*

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

Application method:	Airless spray	Air spray	Brush
Thinner (max.vol.):	08080 (15%) (See REMARKS overleaf)	08080 (25%)	08080 (15%)
Nozzle orifice:	.017"		
Nozzle pressure:	125 bar/1800 psi (Airless spray data are indicative and subject to adjustment)		
Cleaning of tools:	THINNER 08080		
Indicated film thickness, dry:	25 micron/1 mil (see REMARKS overleaf)		
Indicated film thickness, wet:	50-100 micron/2-4 mils (depending on colour)		
Recoat interval, min:	See REMARKS overleaf		
Recoat interval, max:	See REMARKS overleaf		

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



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SURFACE PREPARATION:	Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to Sa 2½, SSPC-SP-10. If shopprimer is required, only zinc silicate type is recommended.
APPLICATION CONDITIONS:	Clean and dry surface with a temperature above dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	Can be used directly on blast-cleaned steel. For maximum corrosion protection, a primer coat of one of the following paints is recommended (40 micron/1.6 mil dry film thicknesses): HEMPEL'S SILICONE ZINC 16900 or HEMPEL'S GALVOSIL 15700.
SUBSEQUENT COAT:	None.
REMARKS:	
Gloss:	After exposure to heat the gloss is reduced.
Thermo plasticity:	The paint film is somewhat thermoplastic also after heating.
Film thicknesses:	It is recommended to avoid too high thicknesses of the paint as this will give a risk of blistering at later heating. THINNER 0808 must be added at application to secure the low dry film thickness.
High temperature service:	For high temperature service, the total dry film thickness of the paint system should preferably be kept at 75 micron/3 mils as maximum.
First exposure to heat:	On first exposure to heat the temperature increase from ambient temperature to the required service temperature must run over a period of 24 hours.
Curing:	The coating will be fully cured after: 3 days at 100°C/212°F, 1 day at 150°C/302°F, or 2 hours at 200°C/392°F.
Recoating:	May be recoated when through dry (24 hours at 20°C/68°F) or after being heated for one hour to approximately 200°C/392°F. Before overcoating after exposure in contaminated environment, clean surface thoroughly by high pressure fresh water hosing and allow to dry.
Zinc silicate primer:	If HEMPEL'S SILICONE ACRYLIC 56940 is applied on zinc silicate coatings, such as HEMPEL'S GALVOSIL 15700, popping may occur after application or after first heating up. The best way to avoid popping is to apply a mist coat in the first pass of HEMPEL'S SILICONE ACRYLIC 56940. Allow the air to escape and apply the full coat of HEMPEL'S SILICONE ACRYLIC 56940.
Note:	HEMPEL'S SILICONE ACRYLIC 56940 is for professional use only.
ISSUED BY:	HEMPEL A/S - 5694019000C0002

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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Product data are subject to change without notice and become void five years from the date of issue.