



HEMPEL'S SILICONE ZINC 16900

Description:	HEMPEL'S SILICONE ZINC 16900 is a heat resistant zinc pigmented silicone primer. It is air drying at ambient temperature and resists temperatures up to 400°C/750°F. (See REMARKS overleaf)
Recommended use:	As a primer for long-time corrosion protection of steel exposed to high temperatures (from 100°C/210°F to 400°C/750°F).
Service temperature:	Maximum service temperature is depending on the subsequent coat. Maximum, dry exposure only: 400°C/752°F
Certificates/Approvals:	Complies with EU Directive 2004/42/EC: subcategory j.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	19840 / Metal grey
Finish:	Flat
Volume solids, %:	54 ± 1
Theoretical spreading rate:	13.5 m ² /l [541.4 sq.ft./US gallon] - 40 micron/1.6 mils
Flash point:	25 °C [77 °F]
Specific gravity:	2.5 kg/litre [21.3 lbs/US gallon]
Surface dry:	1 approx. hour(s) 20°C/68°F
Dry to touch:	2 - 3 hour(s) 20°C/68°F
VOC content:	403 g/l [3.3 lbs/US gallon]
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Airless spray / Air spray / Brush
Thinner (max.vol.):	08080 (5%) / 08080 (15%) / 08080 (5%)
Nozzle orifice:	0.017 "
Nozzle pressure:	125 bar [1812.5 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	40 micron [1.6 mils]
Indicated film thickness, wet:	75 micron [3 mils]
Recoat interval, min:	According to specification.
Recoat interval, max:	According to specification.
Safety:	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Safety Data Sheets and follow all local or national safety regulations.



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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 (ISO 8501-1:2007). If shopprimer is required, only zinc silicate type is recommended.

APPLICATION CONDITIONS: Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT: None, or as per specification. Recommended systems are: zinc silicate shopprimer

SUBSEQUENT COAT: According to specification. Recommended systems are: HEMPEL'S SILICONE TOPCOAT 56900 or HEMPEL'S SILICONE ALUMINUM 56914 or HEMPEL'S SILICONE ACRYLIC 56940

REMARKS: **Note:** If used as anticorrosive protection under insulation of high temperature equipment it is very important that NO moisture can penetrate during slow-down periods. This to avoid risk of "wet corrosion" when the temperature rises.

VOC - EU Directive 2004/42/EC:

Product	As supplied	15 vol. % thinning	Limit phase II, 2010
1690019840	403 g/l	471 g/l	500 g/l

For VOC of other shades, please refer to Safety Data Sheet.

Weathering/service temperatures: On first exposure to heat the temperature increase from ambient temperature to the required service temperature must run over a period of 24 hours.

Application(s) The paint film is somewhat thermoplastic also after heating

Film thicknesses/thinning: Excessive film thickness must be avoided. THINNER 08080 must be added at application to secure the low dry film thickness.
For high temperature service, the total dry film thickness of the paint system should preferably be kept at maximum: 75 micron/3 mils

Recoating note: May be recoated when through dry: 24 hour(s) at 20°C/68°F.
Before recoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.
Full curing will be obtained after:
3 days at 100°C/212°F
1 days at 150°C/302°F
2 hour(s) at 200°C/392°F

Note: HEMPEL'S SILICONE ZINC 16900 For professional use only.
ISSUED BY: HEMPEL A/S

1690019840

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on www.hempel.com. 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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