

<b>Description:</b>	HEMPEL'S SILICONE ZINC 16900 is a heat resistant zinc pigmented silicone primer. It cures to form a hard film at ambient temperatures and resists temperatures up to 400°C/752°F.
<b>Recommended use:</b>	As a primer for long-time corrosion protection of steel exposed to high temperatures (from 100°C/210°F to 400°C/750°F).
<b>Service temperature:</b>	Maximum service temperature is depending on the subsequent coat. Maximum, dry exposure only: 400°C/752°F
<b>Certificates/Approvals:</b>	Complies with EU Directive 2004/42/EC: subcategory j.
<b>Availability:</b>	Part of Group Assortment. Local availability subject to confirmation.
<b>PHYSICAL CONSTANTS:</b>	
Shade nos/Colours:	19840 / Metal grey
Finish:	Flat
Volume solids, %:	60 ± 1
Theoretical spreading rate:	15 m <sup>2</sup> /l [601.5 sq.ft./US gallon] - 40 micron/1.6 mils
Flash point:	25 °C [77 °F]
Specific gravity:	2.7 kg/litre [22.7 lbs/US gallon]
Surface-dry:	2.25 hour(s) 20°C/68°F
Through-dry:	3.25 hour(s) 20°C/68°F
VOC content:	365 g/l [3 lbs/US gallon]
Shelf life:	6 months (25°C/77°F) from time of production. Depending on storage conditions, mechanical stirring may be necessary before usage. <i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
<b>APPLICATION DETAILS:</b>	
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) HEMPEL'S THINNER 08080
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	40 micron [1.6 mils]
Indicated film thickness, wet:	75 micron [3 mils]
Overcoat interval, min:	24 hour(s) 20°C/68°F (According to specification.)
Overcoat interval, max:	None (According to specification.)
<b>Safety:</b>	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.

# Product Data

## HEMPEL'S SILICONE ZINC 16900



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. Minimum relative humidity: 50%. At relative humidity below 70%, curing is retarded. 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, HEMPEL'S SILICONE ALUMINUM 56910 or HEMPEL'S SILICONE ACRYLIC 56940.								
REMARKS:	<b>Note:</b> 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 is to avoid the risk of "wet corrosion" when the temperature rises.								
VOC - EU Directive 2004/42/EC:	<table border="1"><thead><tr><th>Product</th><th>As supplied</th><th>15 vol. % thinning</th><th>Limit phase II, 2010</th></tr></thead><tbody><tr><td>1690019840</td><td>365 g/l</td><td>438 g/l</td><td>500 g/l</td></tr></tbody></table> <p>For VOC of other shades, please refer to Safety Data Sheet.</p>	Product	As supplied	15 vol. % thinning	Limit phase II, 2010	1690019840	365 g/l	438 g/l	500 g/l
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1690019840	365 g/l	438 g/l	500 g/l						
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.								
Stirring:	Mechanical stirring may be necessary before usage.								
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.								
Overcoating note:	Overcoating intervals related to later conditions of exposure: If the maximum over coating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly by high pressure water cleaning and allow drying.								
Note:	<b>HEMPEL'S SILICONE ZINC 16900 For professional use only.</b>								
ISSUED BY:	HEMPEL A/S <span style="float: right;">1690019840</span>								

This Product Data Sheet supersedes those previously issued.  
For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://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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