

Description:	HEMPEL'S SILICONE ALUMINIUM 56914 is a heat resistant aluminium pigmented polysiloxane paint which cures to a hard film at ambient conditions.
Recommended use:	For long-term protection of hot pipelines, exhaust pipes, smoke stacks and other hot surfaces. In corrosive environment see PRECEDING COAT overleaf.
Service temperature:	Maximum, dry exposure only: 600°C/1112°F
Certificates/Approvals:	Complies with EU Directive 2004/42/EC: subcategory i.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	19000/ Aluminium
Finish:	Semi-flat see REMARKS overleaf
Volume solids, %:	43 ± 1
Theoretical spreading rate:	17.2 m ² /l [689.7 sq.ft./US gallon] - 25 micron/1 mils
Flash point:	30 °C [86 °F]
Specific gravity:	1.2 kg/litre [9.8 lbs/US gallon]
Surface-dry:	1 hour(s) 20°C/68°F (RH: 70%)
Through-dry:	2.5 hour(s) 20°C/68°F
VOC content:	465 g/l [3.9 lbs/US gallon]
Shelf life:	1 year (25°C/77°F) from time of production. Depending on storage conditions, mechanical stirring may be necessary before usage.

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Application method:	Airless spray / Air spray / Brush
Thinner (max.vol.):	08080 (5%) / 08080 (15%) / 08080 (5%) see REMARKS overleaf
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:	25 micron [1 mils] see REMARKS overleaf
Indicated film thickness, wet:	60 micron [2.4 mils]
Overcoat interval, min:	According to specification.
Overcoat 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.

Product Data

HEMPEL'S SILICONE ALUMINIUM 56914



SURFACE PREPARATION: **Steel:** 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). **Stainless steel:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. To be abrasive blasted to a uniform, sharp, dense profile, ISO Comparator Medium (G), corresponding to Rz minimum 50 micron.

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. Use only where application and curing can proceed at temperatures above: 5°C/41°F. In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT: According to specification. Recommended systems are: HEMPEL'S GALVOSIL 15780, HEMPEL'S GALVOSIL 15700, HEMPEL'S GALVOSIL FIBRE 15750

SUBSEQUENT COAT: None.

REMARKS:

VOC - EU Directive 2004/42/EC:

Product	As supplied	5 vol. % thinning	Limit phase II, 2010
5691419000	465 g/l	484 g/l	500 g/l

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

Colours/Colour stability: After exposure to heat the gloss is reduced.

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 coating will be fully cured after: 7 days , 20°C/68°F
When the paint is applied on zinc silicate coatings, popping may occur after application or after first heating up. To avoid popping it is recommended to follow the procedure: A thin, undiluted coat is applied (the mist coat) and after a few minutes, a second coat is applied in the full specified film thickness

Film thicknesses/thinning: May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and overcoating interval. Normal range dry is: 20-40 micron/0.8-1.6 mils. Excessive film thickness must be avoided. THINNER 08080 can 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: May be overcoated with itself after 24 hours 20°C/68°F
Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

Note: **HEMPEL'S SILICONE ALUMINIUM 56914 For professional use only.**

ISSUED BY: HEMPEL A/S 5691419000

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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