



HEMPEL'S SILICONE ALUMINIUM 56910

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| Description: | HEMPEL'S SILICONE ALUMINIUM 56910 is a heat resistant aluminium pigmented polysiloxane paint. |
| 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 |
| 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, %: | 35 ± 1 |
| Theoretical spreading rate: | 14 m ² /l [561.4 sq.ft./US gallon] - 25 micron/1 mils |
| Flash point: | 25 °C [77 °F] |
| Specific gravity: | 1.1 kg/litre [9.2 lbs/US gallon] |
| Surface dry: | 1 approx. hour(s) 20°C/68°F |
| Dry to touch: | 2 - 4 hour(s) 20°C/68°F |
| VOC content: | 552 g/l [4.6 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%) (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: | 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: | Maintenance: 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 8501-1:1988). |
| 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 | According to specification. Recommended systems are: HEMPEL'S SILICONE ZINC 16900, HEMPEL'S 15700 |
| SUBSEQUENT COAT: | None. |
| REMARKS: | |
| 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 paint film is somewhat thermoplastic also after heating 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 Fully cured: 3 day(s) 100°C/212°F 1 day(s) 150°C/302°F 2 hour(s) 200°C/392°F |
| 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 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 by high pressure water cleaning and allow drying. |
| Nota: | HEMPEL'S SILICONE ALUMINIUM 56910 For professional use only. |
| ISSUED BY: | HEMPEL A/S |

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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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