

Description:	HEMPEL'S SILVIUM 51570 is an oleoresinous general purpose aluminium paint with good heat resistance and good light reflection.
Recommended use:	For protection of hot pipelines, exhaust pipes, smoke stacks and other hot surfaces upto peak temperatures of 250°C/482°F and upto permanent temperatures of 200°C/392°F. As a finishing coat on steel and woodwork exterior and interior in mild to moderately corrosive environment where an aluminium surface or light reflection is desired.
Service temperature:	Maximum, dry exposure only: 200°C/392°F, (peak) 250°C/482°F
Certificates/Approvals:	Tested according to section 175.300 of the Code of Federal Regulations Title 21 - Dry Foodstuff. Consult Hempel for details. Tested for non-contamination of grain cargo at the Newcastle Occupational Health & Hygiene, Great Britain. 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:	Glossy see REMARKS overleaf
Volume solids, %:	38 ± 1
Theoretical spreading rate:	15.2 m ² /l [609.5 sq.ft./US gallon] - 25 micron/1 mils
Flash point:	38 °C [100.4 °F]
Specific gravity:	0.9 kg/litre [7.8 lbs/US gallon]
Surface-dry:	1 hour 20°C/68°F
Through-dry:	3.5 hour(s) 20°C/68°F
VOC content:	505 g/l [4.2 lbs/US gallon]
Shelf life:	5 years (25°C/77°F) from time of production.
	<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.):	Do not dilute. see REMARKS overleaf
Nozzle orifice:	0.017 "
Nozzle pressure:	100 bar [1450 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]
Indicated film thickness, wet:	75 micron [3 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.

SURFACE PREPARATION:	New steel: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Power tool cleaning to St 3 or abrasive blasting to Sa 2 (ISO 8501-1:2007). Repair and maintenance: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues.
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:	Steel surface temperature: below 120°C/248°F HEMPALIN PRIMER. 120-200°C/248-390°F self primed.
SUBSEQUENT COAT:	None.
REMARKS:	
Colours/Colour stability:	Has a tendency to yellow after application. This has no influence on the performance nor does the yellowing affect any topcoat applied.
Application(s):	Spray application is recommended. If applied by brush, use a flat brush not more than 10 cm/4" wide. Do not dilute. After the paint has been distributed it should be laid off with light strokes and in one direction only. If the paint is worked too much with brush or roller, it will become streaky and greyish and lose its lustre. This effect is cosmetic only and has no influence on the protective properties. Finish: At high temperatures the paint will become greyish and lose its lustre. This effect is cosmetic only and has no influence on the protective properties.
Note:	HEMPEL'S SILVIUM 51570 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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