



Product Data

HEMPEL'S SILVIUM® 51570

Description:	HEMPEL'S SILVIUM 51570 is an oleoresinous general purpose aluminium paint with good light reflection.
Recommended use:	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, and/or for moderately hot surface.
Service temperatures:	Maximum, dry exposure only: 200°C/390°F.
Certificates/Approvals:	Complies with Section 175.300 of Food Additive Regulations (in respect of carriage of dry foodstuffs) of the Code of Federal Regulations as found by review of the U.S. Food and Drug Administration. HEMPEL'S SILVIUM 51570 has been tested for non-contamination of grain cargo at the Newcastle Occupational Health, Great Britain. Approved as a low flame spread material by Danish, French, Spanish and Singaporean authorities according to IMO resolution MSC 61 (67). Has a French, Spanish, Singaporean and Malaysian EC-type Examination Certificate. Please see REMARKS overleaf.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Colours/Shade nos:	Aluminium/19000
Finish:	Glossy (See REMARKS overleaf)
Volume solids, %:	38 ± 1
Theoretical spreading rate:	15.2 m ² /litre - 25 micron 610 sq.ft./US gallon - 1 mil
Flash point:	38°C/100°F
Specific gravity:	1.0 kg/litre - 8.3 lbs/US gallon
Dry to touch:	5 (approx.) hours at 20°C/68°F
V.O.C.:	500 g/litre - 4.2 lbs/US gallon
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.</i>
APPLICATION DETAILS:	
Application method:	Airless spray Air spray Brush/Roller
Thinner (max. vol.):	Do not dilute (See REMARKS overleaf)
Nozzle orifice:	.017"
Nozzle pressure:	100 bar/1500 psi (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	THINNER 08080
Indicated film thickness, dry:	25 micron/1 mil
Indicated film thickness, wet:	75 micron/3 mils
Recoat interval, min:	8 hours (20°C/68°F)
Recoat interval, max:	None
Safety:	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



HEMPEL'S SILVIUM 51570

SURFACE PREPARATION:	Sound and intact areas primed with eg HEMPALIN or other suitable alkyd primers (temperature range: see PRECEDING COAT below) can be recoated directly after all contamination from storage and fabrication has been thoroughly removed. For other areas remove all rust and loose material by power tool cleaning to St 3 or abrasive blasting to Sa 2. Maintenance: Remove oil and grease etc. with suitable detergent. Remove salt 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. Touch up with recommended primer.	
APPLICATION CONDITIONS:	As dictated by normal good painting practice. In confined spaces provide adequate ventilation during application and drying.	
PRECEDING COAT:	Steel surface temperature: Below 120°C/248°F 120°-200°C/248°-390°F	Preceding coat: HEMPALIN PRIMERS Self primed
SUBSEQUENT COAT:	None.	
REMARKS: Application:	Certificates have been issued under the former quality number 5157. Spray application is recommended. For brush application use a flat brush not more than 10 cm/4" wide. Do not dilute. After the paint has been laid on, it should be distributed 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 loose its lustre. The effect is cosmetic only and has no influence on the protective properties.	
Finish:	At high temperatures HEMPEL'S SILVIUM 51570 will become greyish and loose its lustre. This effect is cosmetic only and has no influence on the protective properties.	
Note:	HEMPEL'S SILVIUM 51570 is for professional use only.	
ISSUED BY:	HEMPEL A/S - 5157019000C0010	

*This Product Data Sheet supersedes those previously issued.
For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.
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.
The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise.
Product data are subject to change without notice and become void five years from the date of issue.*