

55613: BASE 55617: CURING AGENT 95370

Description:	HEMPATHANE HS 55613 is a two-component semi-gloss acrylic polyurethane topcoat, cured with aliphatic isocyanate, with good gloss and colour retention. Contains zincphosphate.
Recommended use:	As a VOC-compliant, high-build finishing coat for protection of structural steel in corrosive environment. May be specified as a one coat "Direct To Metal" system in environments classified as C2 and C3.
Service temperature:	Maximum, dry exposure only: 120°C/248°F see REMARKS overleaf
Certificates/Approvals:	Complies with EU Directive 2004/42/EC: subcategory j.
Availability:	Not included in Group Assortment. Availability subject to special agreement.

PHYSICAL CONSTANTS:

Shade nos/Colours:	11150* / Grey.
Finish:	Semi-gloss
Volume solids, %:	57 ± 1
Theoretical spreading rate:	5.7 m ² /l [228.6 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	31 °C [87.8 °F]
Specific gravity:	1.4 kg/litre [11.4 lbs/US gallon]
Surface-dry:	45 minute(s) 20°C/68°F
Through-dry:	3 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	384 g/l [3.2 lbs/US gallon]
Shelf life:	3 years for BASE and 2 years (25°C/77°F) for CURING AGENT from time of production.

**other shades according to assortment list.*

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

APPLICATION DETAILS:

Version, mixed product:	55613
Mixing ratio:	BASE 55617: CURING AGENT 95370 7:1 by volume
Application method:	Airless spray see REMARKS overleaf / Brush see REMARKS overleaf
Thinner (max.vol.):	08080 (5%) / 08080 (5%)
Pot life:	2 hour(s) 20°C/68°F
Nozzle orifice:	0.017 - 0.021 "
Nozzle pressure:	175 bar [2537.5 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	100 micron [4 mils] see REMARKS overleaf
Indicated film thickness, wet:	175 micron [7 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.
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SURFACE PREPARATION:	According to specification.								
APPLICATION CONDITIONS:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Minimum temperature for curing is: -10°C/14°F At the freezing point and below be aware of the risk of ice on the surface, which will hinder adhesion. The film formation may be adversely affected by light rain, high humidity and/or condensation during application and the following interval after application: 8 hours, 20°C/68°F In confined spaces provide adequate ventilation during application and drying.								
PRECEDING COAT:	According to specification. Recommended systems are: HEMPADUR FAST DRY 15560, HEMPADUR MASTIC 45880/45881								
SUBSEQUENT COAT:	None.								
REMARKS:									
VOC - EU Directive 2004/42/EC:	<table border="1"><thead><tr><th>Product</th><th>As supplied</th><th>5 vol. % thinning</th><th>Limit phase II, 2010</th></tr></thead><tbody><tr><td>5561311150</td><td>384 g/l</td><td>407 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	5 vol. % thinning	Limit phase II, 2010	5561311150	384 g/l	407 g/l	500 g/l
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5561311150	384 g/l	407 g/l	500 g/l						
Colours/Colour stability:	Certain lead-free red and yellow colours may discolour when exposed to chlorine-containing atmosphere. To obtain full opacity, an extra coat may be necessary, especially for certain lead-free colours in red, orange, yellow and green.								
Weathering/service temperatures:	At service temperature above 100°C/212°F, slight discolouration may be expected. The product will become softer.								
Application(s):	When specified as a one coat "Direct to Metal"-system follow "Good Painting Practise" and apply stripe coating before the spray application on areas difficult to cover properly by spray application. Even small traces of water in the mixed paint will reduce the pot life and result in film defects.								
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: 75-125 micron/3-5 mils								
Storage Conditions:	Store in a dry place and keep the can tightly closed until use.								
Shades:	Due to the unique nature of its aluminium pigmentation, shade 19871 is supplied with a reduced volume solids content: 53±1%.								
Curing agent:	CURING AGENT 95370 : is sensitive to moisture. Open curing agent cans with caution as overpressure might exist.								
Overcoating intervals:	A completely clean surface is mandatory to ensure intercoat adhesion, especially at long overcoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed by fresh water hosing. To check whether the quality of the surface cleaning is adequate, a test patch may be relevant.								
Note:	HEMPATHANE HS 55613 For professional use only.								
ISSUED BY:	HEMPEL A/S 5561311150								

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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