



HEMPATHANE HS 55610

55610: BASE 55619: CURING AGENT 97050

Description:	HEMPATHANE HS 55610 is a two-component polyurethane topcoat, cured with aliphatic isocyanate, with good gloss and colour retention. Contains zinc phosphate.
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:	
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10000/ White.
Finish:	Glossy
Volume solids, %:	65 ± 1
Theoretical spreading rate:	6.5 m ² /l [260.7 sq.ft./US gallon] to 100 micron/4 mils
Flash point:	31 °C [87.8 °F]
Specific gravity:	1.4 kg/litre [11.9 lbs/US gallon]
Surface dry:	3 approx. hour(s) 20°C/68°F
Dry to touch:	5 approx. hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	334 g/l [2.8 lbs/US gallon]
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Version, mixed product:	55610
Mixing ratio:	BASE 55619: CURING AGENT 97050 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 to 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] / 4 mils (see REMARKS overleaf)
Indicated film thickness, wet:	150 micron [6 mils] / 6 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:

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: 24 hours at 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:

Product	As supplied	5 vol. % thinning	Limit phase II, 2010
5561010000	334 g/l	360 g/l	500 g/l

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

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 discoloration 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. CURING AGENT 97050 : is sensitive to moisture.

Film thicknesses/thinning:

Even small traces of water in the mixed paint will reduce the pot life and result in film defects. 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 recoating interval. Normal range dry is: minimum 50 micron/2 mils (diluted), minimum 75 micron/3 mils (undiluted), maximum 125 micron/5 mils

Storage Conditions:

Store in a dry place and keep the can tightly closed until use.

Curing agent:

Open curing agent cans with caution as overpressure might exist.

Recoating intervals:

A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating 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 with by fresh water hosing. To check whether the quality of the surface cleaning is adequate, a test patch may be relevant.

Note:

HEMPATHANE HS 55610 For professional use only.

ISSUED BY:

HEMPEL A/S

5561010000

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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