

### 55213: BASE 55217: CURING AGENT 95370

<b>Description:</b>	HEMPATHANE TOPCOAT 55213 is a two-component, semi-flat/semi-gloss acrylic polyurethane coating with good gloss and colour retention.
<b>Recommended use:</b>	As a finishing coat for protection of structural steel in severely corrosive atmospheric environment, where light-fastness and gloss retention are required. Minimum temperature for curing is -10°C/14°F.
<b>Service temperature:</b>	Maximum, dry exposure only: 120°C/248°F (see REMARKS overleaf)
<b>Availability:</b>	Not included in Group Assortment. Availability subject to special agreement.

#### PHYSICAL CONSTANTS:

Shade nos/Colours:	11150* / Light grey
Finish:	Semi-gloss
Volume solids, %:	49 ± 1
Theoretical spreading rate:	9.8 m <sup>2</sup> /l [393 sq.ft./US gallon] - 50 micron/2 mils
Flash point:	31 °C [87.8 °F]
Specific gravity:	1.2 kg/litre [9.8 lbs/US gallon]
Surface-dry:	30 minute(s) 20°C/68°F
Through-dry:	1.5 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	459 g/l [3.8 lbs/US gallon]
Shelf life:	3 years for BASE and 2 years (25°C/77°F) for CURING AGENT from time of production. <i>*other shades according to assortment list.</i>

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

#### APPLICATION DETAILS:

<b>Version, mixed product:</b>	<b>55213</b>
Mixing ratio:	BASE 55217: CURING AGENT 95370 7 : 1 by volume
Application method:	Airless spray / Brush
Thinner (max.vol.):	(see REMARKS overleaf) / 08080 (5%)
Pot life:	2 hour(s) 20°C/68°F
Nozzle orifice:	0.017 - 0.019 "
Nozzle pressure:	150 bar [2175 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080, HEMPEL'S THINNER 08510
Indicated film thickness, dry:	50 micron [2 mils] (see REMARKS overleaf)
Indicated film thickness, wet:	100 micron [4 mils]
Overcoat interval, min:	According to specification.
Overcoat interval, max:	According to specification.

<b>Safety:</b>	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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APPLICATION CONDITIONS:	The surface must be completely clean and dry at the time of application and its temperature must be above the dew point to avoid condensation. Minimum temperature for curing is: -10°C/14°F. The product should be mixed thoroughly using a clean mixer before application. 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 45141/45143, HEMPADUR HI-BUILD 45200/45201, HEMPADUR MASTIC 45880, HEMPADUR 47140.
SUBSEQUENT COAT:	None.
REMARKS:	
Weathering/service temperatures:	At service temperature above 100°C/212°F, slight discolouration may be expected.
Application(s):	In case of forced drying contact Hempel as increased temperature during curing may increase gloss.
Application equipment:	<b>Electrostatic spray:</b> 10% thinning is recommended. Consult HEMPEL for specific advice if in doubt.
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: 40-80 micron/1.6-3.2 mils. The product should be applied in specified film thickness as too high film thickness may increase gloss, just as too low film thickness will reduce gloss. Selection of proper thinner is related to application conditions. Normally recommended thinner: HEMPEL'S THINNER 08080. HEMPEL'S THINNER 08510 may be used alternatively depending on local conditions. <b>Airless spray:</b> 5-15% thinning is recommended. Under extreme conditions, in order to obtain satisfactory film formation, necessary thinning may be up to more than: 20%. For both kinds of spray application the best result is obtained by applying a mist coat of the product at first, and then 2-15 minutes later apply to full film thickness giving a uniform film formation. Do not exaggerate the film thickness.
Curing agent:	CURING AGENT 95370 : is sensitive to moisture. Store in a dry place and keep the can tightly closed until use. Open curing agent cans with caution as overpressure might exist. Even small traces of water in the mixed paint will reduce the pot life and result in film defects.
Overcoating note:	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:	<b>HEMPATHANE TOPCOAT 55213 For professional use only.</b>
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](http://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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