



HEMPATHANE TOPCOAT 55210

55210: BASE 55219: CURING AGENT 95370

Description:	HEMPATHANE TOPCOAT 55210 is a two-component, glossy acrylic polyurethane coating, cured with aliphatic isocyanate, with good gloss and colour retention.
Recommended use:	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.
Service temperature:	Maximum, dry exposure only: 120°C/248°F see REMARKS overleaf
Certificates/Approvals:	Approved as a low flame spread material. According to IMO resolution MSC 61 (67): Denmark, France, Spain, Singapore EC-type Examination Certificate: Denmark, France, Spain, Singapore, Malaysia, Indonesia Complies with EU Directive 2004/42/EC: subcategory j.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10000*/ White.
Finish:	Glossy
Volume solids, %:	51 ± 1
Theoretical spreading rate:	10.2 m ² /l [409 sq.ft./US gallon] to 50 micron/2 mils
Flash point:	33 °C [91.4 °F]
Specific gravity:	1.2 kg/litre [10.2 lbs/US gallon]
Surface dry:	2.5 approx. hour(s) 20°C/68°F
Dry to touch:	8 approx. hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	442 g/l [3.7 lbs/US gallon] <i>*Wide range of colours available via Hempel's MULTI-TINT system.</i> <i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Version, mixed product:	55210
Mixing ratio:	BASE 55219: CURING AGENT 95370 7:1 by volume
Application method:	Airless spray / Brush
Thinner (max.vol.):	see REMARKS overleaf / 08080 (5%)
Pot life:	4 hour(s) 20°C/68°F
Nozzle orifice:	0.017 to 0.019 "
Nozzle pressure:	150 bar [2175 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080 or 08510
Indicated film thickness, dry:	50 micron [2 mils] see REMARKS overleaf
Indicated film thickness, wet:	100 micron [4 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: 10 hours at 20°C/68°F
In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT According to specification. Recommended systems are: HEMPADUR45141/45143, HEMPADUR MASTIC 45880/45881

SUBSEQUENT COAT: None.

REMARKS:

VOC - EU Directive 2004/42/EC:

Product	As supplied	10 vol. % thinning	Limit phase II, 2010
5521010000	442 g/l	483 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. Leaded colours may become discoloured when exposed to sulphide-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.

Film thicknesses/thinning: The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. THINNER 08080 is recommended in general. THINNER 08510 may be used alternatively depending on local conditions.
Airless spray: 5-10% thinning is recommended. Under extreme conditions up to more than 20% may be necessary to obtain satisfactory film formation.
It is recommended to apply the paint by using a "mist-coat" procedure. A thin, undiluted coat is applied (the mist coat) and after a few minutes, a second coat is applied in the full specified film thickness Do not exaggerate the film thickness.

Electrostatic spray: 10% thinning is recommended. Contact Hempel for more information.
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: 40-75 micron/1.6-3 mils.

Curing agent: CURING AGENT 95370: is sensitive to moisture.
Even small traces of water in the mixed paint will reduce the pot life and result in film defects.
Open curing agent cans with caution as overpressure might exist. Store in a dry place and keep the can tightly closed until use.

Note: HEMPATHANE TOPCOAT 55210 For professional use only.

ISSUED BY:

HEMPEL A/S

5521010000

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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