



HEMPATHANE ENAMEL 55100

55100: BASE 55109: CURING AGENT 95370

Description:	HEMPATHANE ENAMEL 55100 is a two-component, high-gloss acrylic polyurethane enamel, cured with aliphatic isocyanate, with good gloss and colour retention.
Recommended use:	As a glossy decorative finishing coat on a variety of substrates such as steel, aluminium, glassfibre, reinforced polyester, plywood, hardwood etc. in severely corrosive atmospheric environment. Minimum temperature for curing is -10°C/14°F.
Service temperature:	Maximum, dry exposure only: 120°C/248°F see REMARKS overleaf
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10000*/ White.
Finish:	High-gloss
Volume solids, %:	52 ± 1
Theoretical spreading rate:	14.9 m ² /l [597.5 sq.ft./US gallon] to 35 micron/1.4 mils
Flash point:	35 °C [95 °F]
Specific gravity:	1.3 kg/litre [10.4 lbs/US gallon]
Surface dry:	2.5 approx. hour(s) 20°C/68°F
Dry to touch:	4 to 5 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	433 g/l [3.6 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:	55100
Mixing ratio:	BASE 55109: CURING AGENT 95370 7:1 by volume
Application method:	Airless spray / Air spray / Brush
Thinner (max.vol.):	see REMARKS overleaf / see REMARKS overleaf / 08080 (5%)
Pot life:	2 hour(s) 20°C/68°F
Nozzle orifice:	0.017 to 0.019 "
Nozzle pressure:	75 to 100 bar [1087.5 to 1450 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080 or 08510
Indicated film thickness, dry:	35 micron [1.4 mils]
Indicated film thickness, wet:	75 micron [3 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.



HEMPATHANE ENAMEL 55100

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: 16 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 45141/45143, HEMPADUR MASTIC 45880/45881
SUBSEQUENT COAT:	None.
REMARKS:	
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:	THINNER 0808 is recommended in general. THINNER 08510 may be used alternatively depending on local conditions. The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. 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: 20-40 micron/0.8-1.6 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 ENAMEL 55100 For professional use only.
ISSUED BY:	HEMPEL A/S

5510010000

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.

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.