

# Product Data

## HEMPATHANE ENAMEL 55100



### 55100: BASE 55109: CURING AGENT 95370

**Description:** HEMPETHANE 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

**Certificates/Approvals:** Approved as a low flame spread material when used as part of a predefined paint system. Please refer to "Declaration of Conformity" on [www.Hempel.com](http://www.Hempel.com) for further details.

**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<sup>2</sup>/l [597.5 sq.ft./US gallon] - 35 micron/1.4 mils  
Flash point: 35 °C [95 °F]  
Specific gravity: 1.3 kg/litre [10.4 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: 433 g/l [3.6 lbs/US gallon]  
*\*Wide range of colours available via Hempel's MULTI-TINT system.*  
*The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.*

### 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 - 0.019 "  
**Nozzle pressure:** 75 - 100 bar [1087.5 - 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]  
**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: 16 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 MASTIC 45880/45881
SUBSEQUENT COAT:	None.
REMARKS:	
Colours/Colour stability:	Colour stability for some shades may be effected by exposure to harsh chemical atmospheres. This does not affect the performance of the coating. For certain colours extra coats may be necessary to obtain full opacity.
Weathering/service temperatures:	At service temperature above 100°C/212°F, slight discolouration may be expected.
Film thicknesses/thinning:	THINNER 08080 is recommended in general. 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 overcoating 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:	<b>HEMPATHANE ENAMEL 55100 For professional use only.</b>
ISSUED BY:	HEMPEL A/S

551001000

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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supplier : [manage@findotek.com](mailto:manage@findotek.com)