

55750: BASE 55759: CURING AGENT 97050

Description:	HEMPATHANE FAST DRY 55750 is a 2-component polyurethane paint. Cured with aliphatic isocyanates. Good gloss retention and colour stability. Contains zinc phosphate.
Recommended use:	As a high-build one-coat system in compliance with the VOC provisions for protecting steel structures in a moderately corrosive environment. May be used as an undercoated intermediate coat or topcoat within the system.
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:	12170* / Grey.
Finish:	Semi-gloss
Volume solids, %:	65
Theoretical spreading rate:	6.5 m ² /l [260.7 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	29 °C [84.2 °F]
Specific gravity:	1.4 kg/litre [11.9 lbs/US gallon]
Dry to touch:	1 approx. hour(s) 20°C/68°F
Dry to handle:	4 approx. hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	332 g/l [2.8 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:	55750
Mixing ratio:	BASE 55759: CURING AGENT 97050 9.1 : 0.9 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:	0.015 - 0.021 "
Nozzle pressure:	200 - 250 bar [2900 - 3625 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]
Indicated film thickness, wet:	150 micron [6 mils]
Overcoat interval, min:	see REMARKS overleaf
Overcoat interval, max:	see REMARKS overleaf

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, 20°C/68°F. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	None, or as per specification.
SUBSEQUENT COAT:	None.
REMARKS:	CURING AGENT 97050: 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.
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 (yellow, red, orange, green, etc.), extra coats may be necessary to obtain full opacity. Slight discolouration may occur at service temperatures above: 120°C/248°F.
Weathering/service temperatures: Application(s):	The product becomes increasingly soft at service temperatures above: 120°C/248°F. Application of the product as a one-coat system is possible. The durability of a one-coat system is very much influenced by the application method. Recommended dry film thickness is: 80 micron. In addition, and in keeping with good painting practice, any areas that are difficult to reach must receive an additional coat before the spraying process.
Film thicknesses:	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: 80 - 160 micron.
Overcoating:	Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

A specification supersedes any guideline overcoat intervals indicated in the table.

Environment	Atmospheric, medium					
	-10°C (14°F)		0°C (32°F)		20°C (68°F)	
	Min	Max	Min	Max	Min	Max
HEMPATHANE	2 d	None	1 d	None	4 h	None

NR = Not Recommended, Ext. = Extended, m = minute(s), h = hour(s), d = day(s)

Overcoating intervals: 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 adequate quality of the surface cleaning a test patch is recommended before actual overcoating.

Note: **HEMPATHANE FAST DRY 55750 For professional use only.**

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. 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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