



# Product Data

## HEMPEL'S SPEED-DRY SHINE 53770

<b>Description:</b>	HEMPEL'S SPEED-DRY SHINE 53770 is a glossy alkyd enamel which forms a weather resistant coating. It is flexible and resistant to salt water and spillage of mineral oil and other aliphatic hydrocarbons.
<b>Recommended use:</b>	As a general purpose finishing coat in alkyd systems on exterior and interior steel and woodwork in mildly to moderately corrosive environment. As a finishing coat in engine rooms including tank tops, main engines and auxiliary machinery.
<b>Service temperatures:</b>	Maximum, dry exposure only: 120°C/ (These temperatures may cause yellowing/discolouration.)
<b>Availability:</b>	Local availability subject to special agreement.

### PHYSICAL CONSTANTS:

Colours/Shade nos.:	White*
Finish:	Glossy
Volume solids, %:	45 ± 2
Theoretical spreading rate:	11.3 m <sup>2</sup> /l - 40 micron / 1.6 mils
Flash point:	27 °C
Specific gravity:	1.2 kg/litre
Dry to touch:	1 hours at 20°C
Fully cured	7 days at 20°C
VOC content:	485 g/litre
Shelf Life:	3 years stored in closed container, from time of production. Shelf life is dependent on storage temperature. Shelf life is reduced at storage temperatures above: 25°C/77°F. Do not store above the following temperature: 40°C *Other shades are available.

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

### APPLICATION DETAILS:

Application method:		Airless spray	Air spray	Brush
Thinner (max.vol.):	08080	(5%)	(15%)	(5%)
Nozzle orifice:	.018"			
Nozzle pressure:	150 bar [2175 psi] <i>(Airless spray data are indicative and subject to adjustment)</i>			
Cleaning of tools:	THINNER 08080			
Indicated film thickness, dry:	40 micron/1.6 mils <i>(see REMARKS overleaf)</i>			
Indicated film thickness, wet:	85 micron/3.5 mils <i>(see REMARKS overleaf)</i>			

<b>Safety:</b>	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations.
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## HEMPEL'S SPEED-DRY SHINE 53770

SURFACE PREPARATION:	<p><b>New steel:</b> Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Power tool cleaning to St 3 or abrasive blasting to Sa 2 (ISO 8501-1:2007). Prime with: HEMPEL'S SPEED-DRY PRIMER 13770.</p> <p><b>Repair and maintenance:</b> Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Prime with: HEMPEL'S SPEED-DRY PRIMER 13770. Touch up bare spots with: HEMPEL'S SPEED-DRY SHINE 53770</p>
APPLICATION CONDITIONS:	<p>Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.</p> <p>In confined spaces provide adequate ventilation during application and drying.</p>
PRECEDING COAT:	HEMPEL'S SPEED-DRY PRIMER 13770.
SUBSEQUENT COAT:	None
REMARKS:	
Colours/Colour stability:	<p>Certain red and yellow colours may discolour when exposed to chlorine-containing atmosphere.</p> <p>To obtain full opacity, an extra coat may be necessary, especially for certain shades in red, orange, yellow and green.</p>
Film thicknesses/thinning:	<p>THINNER 08080 may be used for a spray application, however, with a certain risk of wrinkling of a preceding fresh alkyd coat.</p> <p>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: 30-50 micron/1.2-2 mils</p>
Over-coating note:	<p>Over-coating intervals related to later conditions of exposure: If the maximum over-coating interval is exceeded, roughening of the surface is necessary to ensure inter-coat adhesion.</p> <p>Before over-coating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.</p>
<b>Note:</b>	<b>HEMPEL'S SPEED-DRY SHINE 53770</b> – For professional use only
<b>ISSUED BY:</b>	HEMPEL A/S, DENMARK

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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