

Product Data

Hempel's Speed-Dry Primer 13770



Description:	Hempel's Speed-Dry Primer 13770 is a quick drying alkyd primer, containing zinc phosphate to enhance the anti-corrosion properties.
Recommended use:	General purpose primer for protection of steel in mild atmospheric corrosive environments.
Service temperature:	Maximum, dry exposure only: 120°C/248°F
Availability:	Not included in Group Assortment. Availability subject to special agreement.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	15680 / Grey.
Finish:	Flat
Volume solids, %:	57 ±2
Theoretical spreading rate:	14.3 m ² /l [573.4 sq.ft./US gallon] - 40 micron/1.6 mils
Flash point:	24 °C [75.2 °F]
Specific gravity:	1.7 kg/litre [13.9 lbs/US gallon]
Dry to touch:	30 minute(s) 20°C/68°F
VOC content:	384 g/l [3.2 lbs/US gallon]
Shelf life:	3 years 25°C/77°F from time of production. Store in a closed container. Shelf life is dependent on storage temperature. Shelf life is reduced at storage temperatures above: 40°C/105°F.
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Airless spray/ Air spray/ Brush
Thinner (max.vol.):	08080 (5%) / 08080 (5%) / 08080 (5%)
Nozzle orifice:	0.18 "
Nozzle pressure:	150 bar [2175 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	40 micron [1.6 mils] (see REMARKS overleaf)
Indicated film thickness, wet:	60 micron [2.4 mils]
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: **New steel:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to Sa 2 (ISO 8501-1:2007) is recommended. For temporary protection, if required, use a suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting. For repair and touch-up use: HEMPEL'S SPEED-DRY PRIMER.
Repair and maintenance: Remove oil and grease, etc. with suitable detergent. Remove salt 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. Touch up bare spots to full film thickness.

APPLICATION CONDITIONS: Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.

SUBSEQUENT COAT: HEMPEL'S SPEED-DRY SHINE 53770

REMARKS:

Film thicknesses/thinning: 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: 30-80 micron/1.2-3.2 mils (primer).
 When specified as a "Direct to Metal" system, the dry film thickness must be: 100-160 microns/4-6.4 mils

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 (50°F)		20°C (68°F)		30°C (86°F)	
	Min	Max	Min	Max	Min	Max
HEMPEL'S SPEED-DRY SHINE	90 m	None	45 m	None	35 m	None

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

Note: **Hempel's Speed-Dry Primer 13770**

ISSUED BY: HEMPEL A/S 1377015680

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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 Product data are subject to change without notice and become void five years from the date of issue.