



## HEMPEL'S SPEED-DRY ALKYD 43140

**Description:**

HEMPEL'S SPEED-DRY ALKYD 43140 is a very quick-drying anticorrosive primer/finish pigmented with zinc phosphate as anticorrosive inhibiting pigment. HEMPEL'S SPEED-DRY ALKYD 43140 is also available in a Micaceous Iron Oxide and aluminium pigmented version as shade 19760.

**Recommended use:**

As a single/double coat anticorrosive primer/finish for steel structures, general steel work and a multitude of applications for heavy and light steel industry, where quick drying properties are required. It is for general use, in exterior and interior steel surfaces. Suitable for protection of steel in mild to medium atmospheric corrosive environments.

**Features:**

- Very fast drying properties, perfect solution for in shop application
- Excellent recoatability with polyurethane, alkyd and chlorinated rubber topcoats
- Good results with most means of application including brush
- Good adhesion to steel
- Friendly for both user and environment, does not contain any lead and chromates

**Service temperature:**

Maximum, dry exposure only: 120°C/248°F

**Certificates/Approvals:**

Complies with EU Directive 2004/42/EC: subcategory i.

**Availability:**

Not included in Group Assortment. Availability subject to special agreement.

**PHYSICAL CONSTANTS:**

Shade nos/Colours:	11150*/ Grey.
Finish:	Flat
Volume solids, %:	49 ± 1
Theoretical spreading rate:	7 m <sup>2</sup> /l [280.7 sq.ft./US gallon] - 70 micron/2.8 mils
Flash point:	25 °C [77 °F]
Specific gravity:	1.4 kg/litre [12 lbs/US gallon]
Dry to touch:	15 minute(s) , 20°C/68°F Proper ventilation is required.
Dry to handle:	1 hour(s) , 20°C/68°F Proper ventilation is required.
VOC content:	442 g/l [3.7 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:**

Application method:	Brush/Roller (touch up) / Airless spray
Thinner (max.vol.):	08080 (5%) / 08080 (5%)
Nozzle orifice:	0.015 - 0.021 " (see REMARKS overleaf)
Nozzle pressure:	200 bar [2900 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	40 - 120 micron [1.6 - 4.8 mils] see REMARKS overleaf
Indicated film thickness, wet:	85 - 250 micron [3.4 - 10 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.



## HEMPEL'S SPEED-DRY ALKYD 43140

### 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 2½ (ISO 8501-1:2007). 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 ALKYD 43140.  
**Repair and maintenance:** 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. 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. In confined spaces provide adequate ventilation during application and drying. The temperature should not be below: 5°C/41°F.

### REMARKS:

#### VOC - EU Directive 2004/42/EC:

Product	As supplied	5 vol. % thinning	Limit phase II, 2010
4314011150	442 g/l	463 g/l	500 g/l

For VOC of other shades, please refer to Safety Data Sheet.

#### Film thicknesses/thinning:

Use a nozzle orifice of 0.015-0.017" to achieve a dry film thickness of 40-60 micron/ 1.2 – 2.4 mils.  
Use a nozzle orifice of 0.019-0.021" to achieve a dry film thickness of 60-120 micron/2.4 – 4.8 mils.

It is possible to apply 2 coats of the product up to recommended dry film thickness. Normal range dry is: 60-80 micron/2.4-3.2 mils, but up to 120 micron/4.8 mils can be applied in one coat. When applied at lower film thickness the recommended dilution is 5%. The most used systems are 2 x 40 micron/ 1.6 mils, 2 x 60 micron/2.4 mils and 2 x 80 micron/3.2 mils, less used is 1 x 120 micron/4.8 mils.

When the product is applied as a primer for HEMPACORE ONE 43600 or HEMPACORE ONE FD 43601, the maximum allowed dry film thickness is 80 micron/3.2 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					
Surface temperature:	10°C (50°F)		20°C (68°F)		30°C (86°F)	
	Min	Max	Min	Max	Min	Max
HEMPALIN	30 m	Ext.	15 m	Ext.	15 m	Ext.
HEMPAQUICK	30 m	Ext.	15 m	Ext.	15 m	Ext.
HEMPATHANE	60 m	Ext.	30 m	Ext.	25 m	Ext.

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

#### Note:

**HEMPEL'S SPEED-DRY ALKYD 43140 For professional use only.**

#### ISSUED BY:

HEMPEL A/S  
4314011150

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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