

# Product Data

## HEMUCRYL ENAMEL HI-BUILD 58030



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| <b>Description:</b>            | HEMUCRYL ENAMEL HI-BUILD 58030 is a water-borne, acrylic dispersion based paint. It dries to a non-yellowing and glossy coating with low dirt pick-up, good weathering properties, and high gloss retention. Especially suited for application by airless spray.  |
| <b>Recommended use:</b>        | As a glossy, finishing coat in water-borne paint systems, interior and exterior, in moderately to severe corrosive environments. For use on buildings the relatively high resistance to diffusion of water vapour and carbon dioxide should be taken into account. For handrails and the similar, a chemically curing coating is alternatively recommended. |
| <b>Service temperature:</b>    | Maximum, dry exposure only: 120°C/248°F   |
| <b>Certificates/Approvals:</b> | Approved as a low flame spread material when used as part of a predefined paint system. Please refer to "Declaration of Conformity" on <a href="http://www.Hempel.com">www.Hempel.com</a> for further details.<br>Complies with EU Directive 2004/42/EC: subcategory i.   |
| <b>Availability:</b>           | Part of Group Assortment. Local availability subject to confirmation.   |

### PHYSICAL CONSTANTS:

|                             |   |
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| Shade nos/Colours:          | 10000*/ White.  |
| Finish:                     | Glossy  |
| Volume solids, %:           | 44 ± 1  |
| Theoretical spreading rate: | 5.9 m <sup>2</sup> /l [236.6 sq.ft./US gallon] - 75 micron/3 mils |
| Flash point:                | 95 °C [203 °F]  |
| Specific gravity:           | 1.2 kg/litre [10.2 lbs/US gallon]                                 |
| Surface-dry:                | 20 minute(s) 20°C/68°F  |
| Through-dry:                | 1 hour(s) 20°C/68°F see REMARKS overleaf                          |
| VOC content:                | 52 g/l [0.4 lbs/US gallon]  |

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

### APPLICATION DETAILS:

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| Application method:            | Airless spray / Brush   |
| Thinner (max.vol.):            | Fresh water / HEMUCRYL BRUSH AGENT 99810 (3-8%)                                     |
| Nozzle orifice:                | 0.015 - 0.019 " (Consult the separate APPLICATION INSTRUCTIONS)                     |
| Nozzle pressure:               | 130 bar [1885 psi]<br>(Airless spray data are indicative and subject to adjustment) |
| Cleaning of tools:             | Fresh water<br>According to separate APPLICATION INSTRUCTIONS                       |
| Indicated film thickness, dry: | 75 micron [3 mils] see REMARKS overleaf   |
| Indicated film thickness, wet: | 175 micron [7 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.

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.

The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.

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| <b>SURFACE PREPARATION:</b> | <b>New steel:</b> Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to the cleaning degree specified for the final coating system, usually Sa 2½ (ISO 8501-1:2007). Prime with: HEMUCRYL PRIMER<br><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 rust and loose paint by abrasive blasting or power tool cleaning to St 3 (ISO 8501-1:2007) (minor areas) before recoating. Dust off residues. Prime with: HEMUCRYL PRIMER<br>Touch up bare spots with: HEMUCRYL ENAMEL HI-BUILD 58030. Otherwise according to specification. |
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**APPLICATION CONDITIONS:** Use only where application and curing can proceed at temperatures above: 10°C/50°F. Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Relative humidity  
During application: During drying: preferably 40-60%.  
Good ventilation during application and drying is necessary. During drying it is of utmost importance that sufficient ventilation is covering all parts of the surfaces painted. Ventilation requirements to remove the water vapours liberated during application and drying are approx. 75 m<sup>3</sup>/litre of paint at 20°C/68°F. (Relative humidity of the air supply 40%)

**PRECEDING COAT:** According to specification. Recommended systems are: HEMUCRYL PRIMER HI-BUILD 18032, HEMUDUR 18500

**REMARKS:**

VOC - EU Directive 2004/42/EC:

| Product    | As supplied | 8 vol. % thinning | Limit phase II, 2010 |
|------------|-------------|-------------------|----------------------|
| 5803010000 | 52 g/l      | 5 g/l             | 140 g/l              |

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

**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.

**Application(s):**

If application is done by roller/brush, apply liberally. Use brushes with synthetic fibres. Rollers should either be mohair or felt.

For brush application, add: 3-8% (by volume) HEMUCRYL BRUSH AGENT 99810.

**Application equipment:**

For proper film formation the recommended nozzle sizes should be used.

**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: 50-100 micron/2-4 mils

When used in 50 micron dry film thickness, 3-5% thinning will be necessary to secure proper film formation.

**Overcoating intervals:**

No maximum overcoating interval, but after prolonged exposure to polluted atmosphere remove accumulated contamination by (high pressure) fresh water cleaning and allow to dry.

**Note:**

**HEMUCRYL ENAMEL HI-BUILD 58030 For professional use only.**

**ISSUED BY:**

HEMPEL A/S

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