



HEMUCRYL ENAMEL HI-BUILD 58030

Description:	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.
Recommended use:	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.
Service temperature:	Maximum, dry exposure only: 120°C/248°F
Certificates/Approvals:	Approved as a low flame spread material. According to IMO resolution MSC 61 (67): Canada, Denmark, Spain, United Kingdom (UK) EC-type Examination Certificate: Denmark, Spain Complies with EU Directive 2004/42/EC: subcategory i.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10000*/ White.
Finish:	Glossy
Volume solids, %:	44 ± 1
Theoretical spreading rate:	5.9 m ² /l [236.6 sq.ft./US gallon] to 75 micron/3 mils
Flash point:	96 °C [204.8 °F]
Specific gravity:	1.2 kg/litre [10.2 lbs/US gallon]
Surface dry:	0.75 approx. hour(s) 20°C/68°F
Dry to touch:	1.5 hour(s) 20°C/68°F see REMARKS overleaf
VOC content:	5 g/l [0 lbs/US gallon]
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Airless spray / Brush
Thinner (max.vol.):	Fresh water / HEMUCRYL BRUSH AGENT 99810 (3-8%)
Nozzle orifice:	0.015 to 0.019 " (Consult the separate APPLICATION INSTRUCTIONS)
Nozzle pressure:	130 bar [1885 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	Fresh water According to separate APPLICATION INSTRUCTIONS
Indicated film thickness, dry:	75 micron [3 mils] see REMARKS overleaf
Indicated film thickness, wet:	175 micron [7 mils]
Recoat interval, min:	According to specification.
Recoat 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.



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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 the cleaning degree specified for the final coating system, usually Sa 2½ (ISO 8501-1:2007). Prime with: HEMUCRYL PRIMER

Repair and maintenance: 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

Touch up bare spots with: HEMUCRYL ENAMEL HI-BUILD 58030. Otherwise according to specification.

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: above 60%. 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 m³/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	5 g/l	5 g/l	140 g/l

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

Colours/Colour stability:

Certain lead-free red and yellow colours may discolour when exposed to chlorine-containing atmosphere.

Leaded colours may become discoloured when exposed to sulphide-containing atmosphere.

To obtain full opacity, an extra coat may be necessary, especially for certain lead-free colours in red, orange, yellow and green.

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 recoating 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.

Recoating intervals:

No maximum recoating 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

5803010000

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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