

Description:	HEMUCRYL 48190 is a water-borne paint based on acrylic dispersion with good anticorrosive properties. Contains anticorrosive pigment. Especially suited for application in shops by airless spray.
Recommended use:	As a self-primed coating system for new steel and repair and maintenance of old steel-work in mildly to moderately corrosive environment.
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:	17620 / Light grey
Finish:	Flat
Volume solids, %:	51 ± 1
Theoretical spreading rate:	5.1 m ² /l [204.5 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	None.
Specific gravity:	1.4 kg/litre [11.8 lbs/US gallon]
Surface-dry:	1 approx. hour(s) 20°C/68°F
Through-dry:	1.5 approx. hour(s) 20°C/68°F
VOC content:	39 g/l [0.3 lbs/US gallon]
Shelf life:	1 year 20°C/68°F
<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>	
APPLICATION DETAILS:	
Application method:	Airless spray / Brush (touch up)
Thinner (max.vol.):	Fresh water (5%) / Fresh water (5%)
Nozzle orifice:	0.015 - 0.019 "
Nozzle pressure:	130 bar [1885 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	Fresh water (see REMARKS overleaf)
Indicated film thickness, dry:	100 micron [4 mils] (see REMARKS overleaf)
Indicated film thickness, wet:	200 micron [8 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.

SURFACE PREPARATION:	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. For repair and touch-up use: HEMUCRYL 48190.										
APPLICATION CONDITIONS:	Use only where application and drying can proceed at temperatures above: 10°C/50°F. The best result is obtained at: above 15°C/59°F. Relative humidity during application and drying: maximum 80%, 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:	None, or as per specification. Aged, solvent-borne coatings may be overcoated after a very careful cleaning. However, a test patch is recommended to establish intercoat adhesion. Aged, chemically cured coatings (alkyd, epoxy, polyurethane etc.) may also precede. Yet, only recommended in case of later mild exposure - besides a very careful cleaning, roughening may be necessary and a test patch is recommended to establish intercoat adhesion.										
SUBSEQUENT COAT:	None, or as per specification.										
REMARKS:											
VOC - EU Directive 2004/42/EC:	<table><tr><td>Product</td><td>As supplied</td><td>0 vol. % thinning</td><td>Limit phase II, 2010</td></tr><tr><td>4819017620</td><td>39 g/l</td><td>39 g/l</td><td>140 g/l</td></tr></table> <p>For VOC of other shades, please refer to Safety Data Sheet.</p>			Product	As supplied	0 vol. % thinning	Limit phase II, 2010	4819017620	39 g/l	39 g/l	140 g/l
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Weathering/service temperatures:	Avoid carrying out activities involving exposure for more than 24 hours . Avoid exposure to high saline conditions before the coating is fully cured.										
Application(s):	For proper film formation the recommended nozzle sizes should be used. If application is done by roller/brush, apply liberally. Use brushes with synthetic fibres. Rollers should either be mohair or felt.										
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: 75-125 micron/3-5 mils.										
Cleaning of tools:	Clean tools carefully with fresh water or lukewarm soap water immediately after use. Dried remains of paint can be removed with: HEMPEL'S TOOL CLEANER 99610.										
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 48190 For professional use only.										
ISSUED BY:	HEMPEL A/S		4819017620								

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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