



## HEMPADUR PRO ZINC 17380

17380 : BASE 17389 : CURING AGENT 98382

<b>Description:</b>	HEMPADUR PRO ZINC 17380 is a two-component, zinc rich epoxy primer. Offers cathodic protection of local mechanical damage.
<b>Recommended use:</b>	As a high solids, versatile, long-term primer on steel for epoxy coating systems in medium to severely corrosive environments.
<b>Service temperature:</b>	Maximum, dry exposure only: 160°C/320°F
<b>Certificates/Approvals:</b>	Conforms to NORSOK M-501, rev. 5, system no. 1.
<b>Availability:</b>	Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours:	10830 / Grey.
Finish:	Flat
Volume solids, %:	60 ± 1
Theoretical spreading rate:	12 m <sup>2</sup> /l [481.2 sq.ft./US gallon] - 50 micron/2 mils
Flash point:	19 °C [66.2 °F]
Specific gravity:	2.8 kg/litre [23.5 lbs/US gallon]
Surface dry:	0.5 approx. hour(s) 20°C/68°F
Dry to touch:	1 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	353 g/l [2.9 lbs/US gallon]

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

### APPLICATION DETAILS:

<b>Version, mixed product:</b>	<b>17380</b>
Mixing ratio:	BASE 17389 : CURING AGENT 98382 4 : 1 by volume
Application method:	Airless spray / Air spray / Brush
Thinner (max.vol.):	08450 (5%) / 08450 (15%) / 08450 (5%) see REMARKS overleaf
Pot life:	2 hour(s) 20°C/68°F
Nozzle orifice:	0.017 - 0.021 "
Nozzle pressure:	150 bar [2175 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry:	50 micron [2 mils] see REMARKS overleaf
Indicated film thickness, wet:	75 micron [3 mils]
Recoat interval, min:	According to specification.
Recoat interval, max:	According to specification.
<b>Safety:</b>	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:	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) with a sharp-edged surface profile corresponding to Rugotest No. 3, BN9a, Keane-Tator Comparator, 2.0 G/S, 2 S, or ISO Comparator, Medium (G).
APPLICATION CONDITIONS:	Use only where application and curing can proceed at temperatures above: -10°C/14°F. The temperature of the surface must also be above these limits. The temperature of paint itself should be 15°C/59°F or above. 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.
SUBSEQUENT COAT:	According to specification. Recommended systems are: HEMPADUR PRO45601/45603, HEMPADUR MASTIC45880/4588.
REMARKS:	<b>Note:</b> If used as anticorrosive protection under insulation of high temperature equipment it is very important that NO moisture can penetrate during slow-down periods. This to avoid risk of "wet corrosion" when the temperature rises.
Stirring:	Before mixing with the curing agent stir the base thoroughly in order to redisperse any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a homogeneous mixture. This is specifically important in case of a high level of thinning and/or long break in application, where the risk of settlement of zinc particles is the highest.
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: 50-75 micron/2-3 mils (The dry film thickness range does not take into account the correction factors for rough surfaces as listed in ISO 19840).
Recoating note:	A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed with by fresh water hosing. In addition, scrubbing with a stiff brush may be necessary to remove zinc corrosion products (white rust). If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.
Note:	<b>HEMPADUR PRO ZINC 17380 For professional use only.</b>
ISSUED BY:	HEMPEL A/S

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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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