

HEMPEL'S GALVOSIL* 15780

HEMPEL'S ZINC DUST 97170

Description:	HEMPEL'S GALVOSIL 1578 is a two-component, solvent-borne, self-curing inorganic zinc silicate coating. For service temperature range, see REMARKS overleaf. Applicable by airless spray.
Recommended use:	As a general purpose rust-preventing primer in paint systems for long-life protection of steel exposed to moderately to severely corrosive environment.
Service temperatures:	Maximum service temperature is depending on the subsequent coat.
Approvals, certificates:	Complies with Section 175.300 of Food Additive Regulations (in respect of carriage of dry foodstuffs) of the Code of Federal Regulations as found by review of the U.S. Food and Drug Administration.
Availability:	Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/shade nos:	Metal grey/19840
Finish:	Flat
Volume solids:	62%
Theoretical spreading rate:	12.4 m ² /litre - 50 micron 497 sq.ft./US gallon - 2 mils
Flash point:	14°C/57°F
Specific gravity:	2.4 kg/litre - 20.0 lbs/US gallon
Dry to touch:	30 (approx.) min. at 20°C/68°F (75% RH)
Fully cured:	3 (approx.) days at 20°C/68°F (75% RH)
V.O.C.:	514 g/litre - 4.3 lbs/US gallon
Shelf life:	6 months from time of production (25°C/77°F). Shelf life is dependent on storage temperature. Shelf life is reduced at storage temperatures above 25°C/77°F. Do not store above 40°C/104°F or below 5°C/40°F. Shelf life is exceeded if the liquid is gelled or if the mixed product forms gels before application.

*The physical constants are subject to normal manufacturing tolerances.
Further reference is made to "Explanatory Notes" in the Hempel Book.*

APPLICATION DETAILS:

Mixing ratio for 15780:	Consult separate APPLICATION INSTRUCTIONS		
	Base 15789 : Zinc dust 97170		
	4.1 parts by weight : 5.9 parts by weight		
	15.4 parts by volume : 3.8 parts by volume		
Application method:	Airless spray	Air spray	Brush (touch-up)
Thinner (max.vol.):	0870 (30%)	0870 (50%)	0870 (10%)
Pot life:	12 hours (20°C/68°F)		
Nozzle orifice:	.019" - .023"		
Nozzle pressure:	100 bar/1500 psi (Airless spray data are indicative and subject to adjustment)		
Cleaning of tools:	THINNER 0870		
Indicated film thickness, dry:	50 micron/2 mils (See REMARKS overleaf)		
Indicated film thickness, wet:	75 micron/3 mils		
Recoat interval, min:	See REMARKS overleaf		
Recoat interval, max:	See SUBSEQUENT COAT overleaf		

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SURFACE PREPARATION: Gritblasting to minimum Sa 2½, SSPC-SP-10, with a surface profile equivalent to Rugotest No. 3, BN10a, Keane-Tator Comparator, 3.0 G/S or ISO Comparator Rough Medium (G). Consult separate APPLICATION INSTRUCTIONS.

APPLICATION AND CURING CONDITIONS: From -10°C/15°F to 40°C/104°F. Curing needs minimum 65% relative humidity. Consult separate APPLICATION INSTRUCTIONS.

SUBSEQUENT COAT: HEMPADUR systems according to specification. Recoating is expected to take place within 6 months after application of HEMPEL'S GALVOSIL 1578.

REMARKS:

Note: 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.

Film thicknesses: 50 micron/2 mils dry film thickness is recommended, when HEMPEL'S GALVOSIL 1578 is used as primer within heavy-duty systems, but 75 micron/3 mils dry film thickness (125 micron/5 mil wet) may be specified, this will alter spreading rate and may influence drying time and recoating interval.

Recoating intervals: Consult separate APPLICATION INSTRUCTIONS before recoating.

Minimum interval for recoating with:	20°C/68°F, 75% RH
HEMPADUR (system/high-build)	72 hours (when fully cured)
HEMPADUR (25 micron/1 mil)	36 hours

Recoating intervals are strongly dependent on both temperature and humidity, and deviations from the standard conditions may shorten or prolong the recoating interval. Consult separate APPLICATION INSTRUCTIONS. Contact the nearest Hempel office for further information.

The recoating interval of 36 hours for 25 micron/1 mil HEMPADUR is only valid in case subsequent coat is applied more than 3 days after, otherwise the minimum recoating interval is the same as for system/high-build.

Note: **HEMPEL'S GALVOSIL 1578 is for professional use only.**

SAFETY: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance if swallowed. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes. Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets. 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.

Issued by HEMPEL'S MARINE PAINTS A/S.

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