



HEMPEL'S GALVOSIL FIBRE 15750

BASE 15759 with HEMPEL'S ZINC METAL PIGMENT 97170

Description:

HEMPEL'S GALVOSIL FIBRE 15750 is a two-component, solvent-borne, self-curing, inorganic zinc silicate with outstanding resistance against weathering and abrasion. It has excellent chemical resistance within the pH range 6-9. For service temperature range, see below. Applicable by airless spray. Offers cathodic protection of local mechanical damage.

Recommended use:

1. As a general purpose, heavy-duty, rust-preventing primer.
2. As a single, complete coating for long-term protection of steel exposed to moderately to severely corrosive environment and to abrasion.
3. In areas (e.g. corners) where high film thickness (up to 200 µm dry film thickness) locally can be expected.

In compliance with SSPC-Paint 20, type 1, level 2.

Service temperatures:

- Resistant to permanent (non-cyclic) dry temperatures as well as occasionally dry peak temperatures up to max. 500°C/932°F. In case of service temperatures above 400°C/752°F, it is of advantage to apply a topcoat of HEMPEL'S SILICONE ALUMINIUM 56910.
- Resistant to cyclic dry temperatures up to 400°C/752°F.
- Resistance to higher temperatures under humid conditions, see REMARKS overleaf.

Availability:

Part of Group Assortment. Local availability subject to confirmation only.

PHYSICAL CONSTANTS:

Colours/Shade nos: Metal grey/19840
Finish: Flat
Volume solids, %: 62 ± 1
Theoretical spreading rate: 8.0 m²/litre - 75 micron
331 sq.ft./US gallon - 3 mils
Flash point: 14°C/57°F
Specific gravity: 2.42 kg/litre - 20.2 lbs/US gallon
Dry to touch: 30 (approx.) min. at 20°C/68°F (65-75% RH)
Fully cured: 10 hours at 20°C/68°F and min. 75% RH (See REMARKS overleaf)
V.O.C.: 450 g/litre - 3.8 lbs/US gallon
Shelf life: 6 months (25°C/77°F) for liquid 15759 and 3 years for Hempel's zinc metal pigment 97170 (stored in closed container) from time of production.
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.
Shelf life is exceeded if the liquid is gelled or if the mixed product forms gels before application.
The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

Mixing ratio for 15750: Liquid 15759 : Hempel's zinc metal pigment 97170
9.2 parts by weight : 15.0 parts by weight
(Mixing by volume - see REMARKS overleaf)

Application method:	Airless spray	Air spray	Brush (touch-up)
Thinner (max.vol.):	08700 (30%)	08700 (50%)	08700 (10%)
Pot life:	4 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 08700		
Indicated film thickness, dry:	75 micron/3 mils (See REMARKS overleaf)		
Indicated film thickness, wet:	125 micron/5 mils		
Recoat interval, min:	When fully cured (See REMARKS overleaf)		
Recoat interval, max:	None (See REMARKS overleaf)		

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. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



HEMPEL'S GALVOSIL FIBRE 15750

SURFACE PREPARATION:	Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting with sharp abrasive to minimum Sa 2½ with a surface profile equivalent to Rugotest No. 3, BN10, Keane-Tator Comparator, min. 3.0 G/S, or ISO Comparator rough Medium (G). In case of new steel to be exposed to no more than medium aggressive (industrial) environment and without any extraordinary demands to lifetime, a surface preparation degree of SSPC-SP6 may suffice. Consult separate APPLICATION INSTRUCTIONS
APPLICATION CONDITIONS:	The surface must be completely clean and dry with a temperature above the dew point to avoid condensation. At temperatures ranging from 0°C/32°F to 40°C/105°F, curing needs minimum 65% relative humidity and is very retarded at lower temperatures. Consult separate APPLICATION INSTRUCTIONS.
SUBSEQUENT COAT:	According to specification.
REMARKS:	
Service temperatures:	If used as anticorrosive protection under insulation of high temperature equipment it is very important that NO moisture can penetrate during shut-down periods. This to avoid risk of "wet corrosion" when the temperature rises. Wet service temperature , non-saline water: Maximum 60°C/140°F.
Application Equipment:	A reversible nozzle is recommended. Filter: Surge tank filter and tip filter should be removed.
Film thicknesses:	If topcoated with a heavy-duty system, 50-80 micron/2-3,2 mils dry film thickness (75-125 micron/3-5 mils wet) is recommended. Consult separate APPLICATION INSTRUCTIONS before recoating. For long-term protection without topcoat , 75 micron/3 mils dry film thickness (100-125 micron/4-5 mils wet) is generally recommended. High temperature service: To avoid cracking during service, it is important to keep the dry film thickness at maximum 40-50 micron/1.6-2 mils, especially in cases where service conditions include sudden temperature changes. (The dry film thickness range does not take into account the correction factors for rough surfaces as listed in ISO 19840).
Mixing:	When mixing part of the content in a can the mixing ratio on volume should be made as follows: Measure 7.85 parts of liquid 15759, then add Hempel's zinc metal pigment 97170 up to a total of 10,0 parts by volume.
Thinning:	For application at high temperatures, a special thinner is available.
Recoating:	Recoating intervals are strongly dependent on both temperature and humidity. Deviations from the standard conditions may shorten or prolong the recoating intervals. Full curing will be obtained after: 0°C/32°F and min. 75% RH: 2 days 10°C/40°F and min. 75% RH: 26 hours 20°C/68°F and min. 75% RH: 10 hours (a certain curing does take place at temperatures below 0°C/32°F, but at an extremely low speed). Furthermore consult separate APPLICATION INSTRUCTIONS.
Note:	HEMPEL'S GALVOSIL FIBRE 15750 is for professional use only.
ISSUED BY:	HEMPEL A/S - 1575019840CRO03

***This Product Data Sheet supersedes those previously issued.
For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.
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.***