



HEMPADUR® 15570

BASE 15579 with CURING AGENT 95570

Description: HEMPADUR 15570 is a two component, polyamide-adduct cured epoxy paint, which cures to a strong and highly corrosion resistant coating, at temperatures down to -10°C/14°F. The Micaceous Iron Oxide pigmented light grey 12430 quality is also well suited for application under humid conditions, on damp steel surfaces, and may be applied on moist surfaces.

Recommended use:

1. As a maintenance and repair primer, intermediate, and/or finishing coat in HEMPADUR systems in severely corrosive environment. As a finishing coat where a cosmetic appearance is of less importance.
2. As a low temperature curing epoxy primer, intermediate, and/or finishing coat in paint systems according to specification. Well suited as a (blast) primer in coal tar epoxy systems.

Service temperatures:

Dry exposure only: Maximum 140°C/284°F (See REMARKS overleaf)
Ballast water service: Resists normal ambient temperatures at sea*
Other water service: 40°C/104°F (no temperature gradient)
Other liquids: Contact HEMPEL
*Avoid long-term exposure to negative temperature gradients.

Certificates/Approvals:

Tested for non-contamination of grain cargoes at the Newcastle Occupational Health, Great Britain.
Approved as a low flame spread material by Danish, French and Spanish authorities according to IMO resolution MSC 61 (67).
Has a Danish, French and Spanish EC-type Examination Certificate.
Please see REMARKS overleaf.

Availability: Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos:	Reddish grey/12430* (MIO)	Red/50630*
Finish:	Flat	Flat
Volume solids, %:	54 ± 1	55 ± 1
Theoretical spreading rate:	5.4 m ² /litre - 100 micron 217 sq.ft./US gallon - 4 mils	5.5 m ² /litre - 100 micron 221 sq.ft./US gallon - 4 mils
Flash point:	25°C/77°F	25°C/77°F
Specific gravity:	1.4 kg/litre - 11.7 lbs/US gallon	1.3 kg/litre - 10.8 lbs/US gallon
Dry to touch:	3-4 (approx) hours at 20°C/68°F	3-4 (approx) hours at 20°C/68°F
Fully cured:	7 days at 20°C/68°F	7 days at 20°C/68°F
V.O.C.:	420 g/litre - 3.5 lbs/US gallon	415 g/litre - 3.4 lbs/US gallon

*Another shade: grey 12170 may be available according to assortment list.

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 15570: Base 15579 : Curing agent 95570
3 : 1 by volume

Application method: Airless spray Air Spray Brush
Thinner (max. vol.): 08450 (5%) 08450 (15%) 08450 (5%)
Pot life: 2 hours (20°C/68°F)
Nozzle orifice: .019"-.021"
Nozzle pressure: 175 bar/2500 psi
(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: HEMPEL'S TOOL CLEANER 99610

Indicated film thickness, dry: 100 micron/4 mils (See REMARKS overleaf)
Indicated film thickness, wet: 200 micron/8 mils
Recoat interval, min: As per separate APPLICATION INSTRUCTIONS
Recoat interval, max: As per separate APPLICATION INSTRUCTIONS

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 .



HEMPADUR 15570

SURFACE PREPARATION:

New steel (dry conditions): Abrasive blasting to Sa 2½. For temporary protection, if required, use suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting. For repair and touch-up use HEMPADUR 15570.

Light alloys: Thorough degreasing and (light) abrasive sweeping to remove contamination and to secure adhesion - surface profile depending on later exposure.

Stainless steel: (Eg ballast tanks of chemical carriers) to be abrasive blast cleaned to a uniform, sharp, dense profile (Rugotest No. 3, BN9a, ISO Comparator Medium (G), Keane-Tator Comparator 2.0 G/S) corresponding to Rz minimum 50 micron. Any salts, grease, oil, etc. to be removed before abrasive blasting is commenced.

Maintenance: Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (minor areas) or by abrasive blasting to minimum Sa 2, preferably to Sa 2½. Improved surface preparation will improve the performance of HEMPADUR 15570.

As an alternative to dry cleaning, water jetting to sound, well adhering coat and/or to steel. Intact coat must appear with roughened surface after the water jetting. By water jetting to steel, cleanliness shall be WJ-3 to WJ-2 (atmospheric exposure) / minimum WJ-2 (immersion) (NACE No. 5/SSPC-SP 12). A flash-rust degree of maximum FR-2 (atmospheric exposure) / FR-2, preferably FR-1 (immersion) (Hempel standard) is acceptable before application. Feather edges to sound and intact areas. Dust off residues. Touch up bare spots to full film thickness when the surface has reached the condition of being damp, may be moist.

In case of wet abrasive blasting a suitable inhibitor may be used. Surplus inhibitor and residual abrasives and sludge must be removed by (high pressure) fresh water cleaning before recoating. Cleaning with hot water is recommended.

Note 1: Inhibitors are generally not recommended for surfaces which will be immersed during service.

Note 2: Damp surfaces: Water is not readily detectable, but the temperature of the surface is below the dew point. **Moist surfaces:** pools of water and droplets have been removed, but there is a noticeable film of water. **Wet surfaces:** Droplets or pools of water are present).

APPLICATION CONDITIONS:

Use only where curing can proceed at temperatures above -10°C/14°F.

At the freezing point and below be aware of the risk of ice on the surface, which will hinder the adhesion.

The temperature of the paint itself should be 15°C/60°F or above to secure proper application properties.

In confined spaces provide adequate ventilation during application and drying.

Occurrence of standing water or droplets on the painted surface immediately after application may result in discolouration.

PRECEDING COAT:

None, or according to specification.

SUBSEQUENT COAT:

None, HEMPADUR, HEMPATHANE, HEMPATEX or HEMUCRYL as per specification.

REMARKS:

Certificates are issued under the former quality number 1557.

Weathering/ service temperatures:

The natural tendency of epoxy coatings to chalk in outdoor exposure and to become more sensitive to mechanical damage and chemical exposure at elevated temperatures is also reflected in this product.

Film thicknesses:

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 is 50-125 micron/2-5 mils.

Recoating:

Recoating intervals related to later conditions of exposure: Consult separate APPLICATION INSTRUCTIONS.

Before recoating after exposure in contaminated environment, clean the surface thoroughly by (high pressure) fresh water hosing and allow to dry.

If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

Note:

HEMPADUR 15570 is for professional use only.

ISSUED BY:

HEMPEL A/S - 1557012430C00010

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.