



Product Sheet

HEMPATHANE LEVEL COAT 35010 CURING AGENT 95580

Description :	HEMPATHANE LEVEL COAT 35010 is an organic, 2 components, solvent free coating based on polyurethane resins and hollow extenders with low specific gravity.
Recommended use :	As a self-levelling flooring composition for levelling out metallic floors unevennesses*. Has good sound absorbing and vibration damping properties. Not suited for cosmetic purposes.
Physical Constants	
Finish :	Glossy
Colour :	Grey
Shade n° :	13350
Volume solids :	100% Cf. Introduction to technical data sheet.
Theoretical Spreading Rate :	5 litre/m ² for 5 mm
Flash point :	> 200°C-méth. ABEL-PENSKY, closed up
Specific gravity :	0.8 – 0.9 kg/litre
Walking on after :	12 hours at 20°C
Fully cured :	3 days at 20°C
V.O.C. :	

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. Further reference is made to "Explanatory Notes" in the HEMPEL book.

APPLICATION DETAILS

Mixing ratio :	Base 35019 / Curing Agent 95580. BA86/CA14 by weight.
Pot life :	20 minutes at 20°C for 10 kg.
Application method :	Mix thoroughly first the base and then the two components (see remark chapter), pour out on the surface and rake lightly.
Thinning :	Do not thin
Cleaning of tools :	Thinner 08080
Indicated film thickness :	2 to 50 mm wet and dry

*Sometimes, it can be necessary to use the product on surfaces with few % of inclination or to build-up inclined surfaces. For that cf. chapter "Remarks".



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Surface preparation :

ON STEEL :

Compatible shopprimer HEMPEL'S GALVOSIL 15770 or equivalent.

Removal of dust and loose matter.

Careful degreasing with HEMPEL'S DRY CLEANER 9870.

After drying of the paste, make a careful dedusting by brushing and vacuum cleaning.

For patching on external surfaces, protect steel with HEMPADUR 4508, or HEMPADUR 15570, (please contact HEMPEL).

ON CONCRETE :

Apply first HEMPADUR CONCRETE SEALER 05990 to improve wetting, air escaping and adhesion properties, (please contact HEMPEL).

Provide adequate ventilation.

Application conditions :

During storage, the hollow extenders contained in the base product will float on the surface. In order to make the mixing easier, it is recommended to store the drums upside down one day before use.

It is necessary to mix first thoroughly the base component alone with a slow moving powerful mixer preferably equipped with a scraper. Check the absence of coarse particles and proceed to the careful mixing of the two components. Scrap the sides of the drum during the mixing. Check the absence of coarse particles again during the pouring of the product.

Use only where application and curing can take place at temperatures above 0°C. Avoid condensation on the coating before curing.

Properties of the coating :

1. Fire retardant following Bureau Veritas, annexe technique III :
Dry film thickness 5 mm : Class 2, low flame spread
Dry film thickness 5 cm : Class 2, low flame spread
2. Secrétariat d'Etat à la mer – Report N° 0567/87
Central Committee of Security :
- Approval of report made by Bureau Veritas
3. Deck coating –According to C.S.T.B. – report n° 87-25355 following Annexe
Technique IV de l'arrêté du 28/08/59 de la Marine Marchande :
- Satisfactory
4. Adhesion test (pull-off-test) on abrasive blasted steel following DIN 53.232 :
35 kgf/cm²
5. Shore A hardness following DIN 53.505 : 80
6. Compression resistance following DIN 53.454 : 5 N/mm²
7. Flexion resistance following DIN 53.452 : 4 N/mm²
8. Ultimate elongation following DIN 53.455 : 40%
9. Dosage of gas released during pyrolyse and combustion following smoke room
method (type NBS) – According to Laboratoire Central de la Préfecture de police
10. Determination of thermal conductivity by means of guarded hot plate apparatus
(DIN 52612) – Report n° 237M of TECHNOLOGICAL INSTITUTE (DENMARK)
11. Damping effect :
Report n° 6562 of DANISH ACOUSTICAL INSTITUTE
12. Fire retardant following the French Navy test method
Report of D.C.N. "Direction des Constructions Navales".



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Remarks :

HEMPATHANE LEVEL COAT 35010 may covered, by gluing , with floor lining such as : carpet, thermoplastic floor tiling, synthetic grass, tiles etc..., various adhesives have been tested with a good result.

Types of adhesives tested :

- Water based acrylic emulsion
- Solvent free polyurethane
- Solvent based polymer resin
- Solvent free epoxy
- Walter based polymer

With solvent based adhesive, e.g neoprene type, a preliminary test is necessary. Normally, water based, solvent free polyurethane and solvent free epoxy types are compatible with HEMPATHANE LEVEL COAT 35010.

As HEMPATHANE LEVEL COAT 35010 is a non permeable coating, we recommend the user to make a preliminary test in order to be sure of the good adhesive choice, it is the responsibility of the user.

To build up inclined surfaces (max. 10%), mix thoroughly the base component, add 0,12 kg of "HEMPEL'S THIXOTROPANT 99080" per 8,6 kg of base component and mix. Then add 1,4 kg of CA 95580 and mix carefully again.
Use immediately by pouring and troweling.

Caution :

- HEMPEL'S THIXOTROPANT 99080 will reduce the pot life of the mixture!
- The different agreements and trial results have been approved on HEMPATHANE LEVEL COAT 35010 without HEMPEL'S THIXOTROPANT 99080.

Subsequent coat :

None, or HEMPATHANE, HEMPADUR according to our specification.

Safety :

Packings are provided with applicable safety labels which should be observed. In addition, national or local safety regulations should be followed.

Shelf life/storage :

Do not expose to humidity – 6 months indoor at 20°C in unopened cans.

Visa :

For definition and scope, see Explanatory Notes to Product Data Sheets.

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