



HEMPADUR SEALER 05990

05990: BASE 05999: CURING AGENT 95040

Description: HEMPADUR SEALER 05990 is a low viscosity, two pack epoxy varnish with good penetration properties.

Recommended use: For saturation of well cleaned concrete surfaces before application of pigmented paints. Must be applied in such an amount that the surface is just saturated. The surface should not appear "glossy" in any way.
Also suitable for sealing of thermally sprayed metallic coatings.

Service temperatures: Maximum, dry exposure only: 140°C/284°F

Certificates/Approvals: Complies with EU Directive 2004/42/EC: subcategory h

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

PHYSICAL CONSTANTS:

Shade nos/Colours: 00000 Transparent
 Finish: Flat
 Volume solids, %: 29 ± 1
 Theoretical spreading rate: Not relevant see REMARKS overleaf
 Flash point: 25 °C [77 °F]
 Specific gravity: 0.9 kg/litre [7.7 lbs/US gallon]
 Dry to touch: 3 - 4 approx. hour(s) 20°C/68°F
 Fully cured: 7 day(s) 20°C/68°F
 VOC content: 606 g/l [5 lbs/US gallon]

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

APPLICATION DETAILS:

Version, mixed product: **05990**

Mixing ratio: BASE 05999: CURING AGENT 95040
4 : 1 by volume

Application method: Airless spray / Brush

Thinner (max.vol.): 08450 (5%) / 08450 (5 %)

Pot life: 8 hour(s) 20°C/68°F

Nozzle orifice: 0.017 - 0.21 "

Nozzle pressure: 100 bar [1450 psi]
(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: HEMPEL'S TOOL CLEANER

Indicated film thickness, dry: Not relevant

Indicated film thickness, wet: Not relevant
see REMARKS below

Recoat interval, min: According to specification.

Recoat interval, max: According to specification.

Safety: 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.

SURFACE PREPARATION: **Concrete:** Remove slip agent and other possible contaminants by emulsion washing followed by high pressure hosing with fresh water. Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Seal surface with suitable sealer, as per relevant painting specification.
Thermally sprayed metallic coatings: Should be applied shortly after the metal coat has been applied and approved to prevent possible contamination of the porous coating.

APPLICATION CONDITIONS: Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 0°C/32°F. Minimum relative humidity: 30%. The temperature of paint itself should be 15°C/59°F or above. In confined spaces provide adequate ventilation during application and drying.

SUBSEQUENT COAT: None, or as per specification.

REMARKS:

VOC - EU Directive 2004/42/EC:

Product	As supplied	5 vol. % thinning	Limit phase II, 2010
0599000000	606 g/l	618 g/l	750 g/l

For VOC of other shades, please refer to Safety Data Sheet.

Note: **HEMPADUR SEALER 05990 For professional use only.**

ISSUED BY:

HEMPEL A/S

0599000000

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on 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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