



# Product Data

VERSILINE CUI 56990

## VERSILINE CUI 56990

- Description:** VERSILINE CUI 56990 is a MIO pigmented single component inorganic copolymer coating which cures to form an inert polymer matrix able to resist temperatures up to 650°C/1202°F and thermal shock/cycling in dry or dry/wet service.
- Recommended use:** For long-term protection of hot pipework, equipment and other hot surfaces. Applied directly onto the steel substrate. Specially developed to prevent corrosion under insulation (CUI).
- Service temperatures:** From -196°C/-321°F up to 650°C/1202°F for dry or dry/wet exposure.
- Certificates/Approvals:** Conforms to NACE SP0198 - 2010 systems SS-5 and CS-6.
- Availability:** Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

- Colours/Shade nos.: 10710/ Dark Grey\*  
Finish: Flat  
Volume solids, %: 74 ± 1  
Theoretical spreading rate: 5.0 m<sup>2</sup>/litre - 150 micron  
[203.7 sq.ft./US gallon - 6 mils]  
Flash point: 29°C [84.2°F]  
Specific gravity: 1.90 kg/litre [15.85 lbs/US gallon]  
Dry to touch: 45 minute(s) 20°C/68°F  
Fully cured: 24 hour(s) at 20°C/68°F  
V.O.C.: 391 g/litre [3.5 lbs/US gallon]  
Shelf life: 1 year at 25°C/77°F  
\*other shades according to assortment list.

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

### APPLICATION DETAILS:

- |                                |  |             |            |
|--------------------------------|--|-------------|------------|
| Application method:            | Airless spray  | Air spray   | Brush      |
| Thinner (max.vol.):            | 08080 (5%)   | 08080 (10%) | 08080 (5%) |
| Nozzle orifice:                | .017"-.021"  |             |            |
| Nozzle pressure:               | 125 - 200 bar [1812.5 - 2900 psi]<br>(Airless spray data are indicative and subject to adjustment) |             |            |
| Cleaning of tools:             | HEMPEL'S THINNER 08080   |             |            |
| Indicated film thickness, dry: | 150 micron [6 mils]  |             |            |
| Indicated film thickness, wet: | 200 micron [8 mils]  |             |            |
| Overcoat interval, min:        | 6 hour(s) at 20°C/68°F   |             |            |
| Overcoat interval, max:        | 7 day(s) at 20°C/68°F  |             |            |

- 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.



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### SURFACE PREPARATION:

**New steel:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to near white metal Sa 2½ (ISO 8501-1:2007) with a surface profile corresponding to Rugotest No. 3, BN10a, Keane-Tator Comparator 3.0 G/S, or ISO Comparator Rough Medium (G). After blasting, clean the surface carefully from abrasives and dust.

**Repair and 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 min. St 2, preferably St 3 (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½. Improved surface preparation will improve the performance of the paint. Recommended surface profile is Rz 75-100 micron/3-4 mils, corresponding to Rugotest No. 3, BN10a, Keane-Tator Comparator, minimum 3.0 G/S, or ISO Comparator, Medium (G). After blasting clean the surface carefully from abrasives and dust.

### APPLICATION CONDITIONS:

Apply only on a dry and clean surface with a temperature min. 3°C/5°F above the dew point to avoid condensation. Use only where application can proceed at temperatures above: 10°C/50°F. Minimum steel temperature: 10°C/50°F. May be applied on to hot substrates up to maximum 200°C/ 392°F.

### PRECEDING COAT:

For insulated areas: None.  
For uninsulated areas: None, HEMPEL'S GALVOSIL 15700 or HEMPEL'S GALVOSIL 15680.

### SUBSEQUENT COAT:

56900, 56910, 55610 or according to specification.

### Colour stability:

The coating will discolour at high service temperatures. This will not influence the anticorrosive properties of the paint.

### REMARKS:

The product cures to a hard film and provides good anticorrosive protection at ambient temperature. Anti-corrosive properties are enhanced following high temperature exposure in service. Best anticorrosive properties are achieved by heating the coating gradually on first time exposure.

### Stirring:

Mechanical stirring may be necessary before usage.

### Note:

**VERSILINE CUI 56990 is for professional use only.**

### ISSUED BY:

HEMPEL A/S – 5699010710RD001

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://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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