

## Elastomeric Epoxy

**PRODUCT DESCRIPTION** Ceilmote Ceilline Horizontal and Ceilmote Ceilline Vertical are two component elastomeric epoxy systems with excellent flexibility and resistance to crack movement on concrete surfaces.

**INTENDED USES** Ceilmote Ceilline materials are specifically designed to be used on concrete surfaces where a flexible coating system under fibreglass reinforcement is required or to provide additional flexibility and crack bridging properties in combination with a range of Ceilmote, Interline and Enviroline product specifications.

### PRACTICAL INFORMATION FOR CEILCOTE CEILLINE

**Colour** Grey

**Gloss Level** Not applicable

**Volume Solids** 90%

**Typical Thickness** 750-1250 microns (30-50 mils) dry equivalent to 833-1389 microns (33.3-55.6 mils) wet

**Theoretical Coverage** 0.90 m<sup>2</sup>/litre at 1000 microns d.f.t and stated volume solids  
36 sq.ft/US gallon at 40 mils d.f.t and stated volume solids

**Practical Coverage** Allow appropriate loss factors. Coverage will vary according to individual systems and the configuration of the surface to be coated; consult the relevant Application Guidelines and specification for further information.

**Method of Application** Trowel

#### Drying Time

| Temperature | Touch Dry | Hard Dry | Overcoating Interval with recommended topcoats |                     |
|-------------|-----------|----------|--|---------------------|
|             |           |          | Minimum  | Maximum             |
| 10°C (50°F) | *         | 10 hours | 10 hours                                       | 7 days <sup>1</sup> |
| 25°C (77°F) | *         | 4 hours  | 4 hours  | 7 days <sup>1</sup> |
| 35°C (95°F) | *         | 2 hours  | 2 hours  | 7 days <sup>1</sup> |

<sup>1</sup> Mat reinforcement should be applied within 7 days

### REGULATORY DATA

**Flash Point (Typical)** 60°C (140°F)

**Product Weight** 1.0 kg/l (8.3 lb/gal)

**VOC** 1.10 lb/gal (132 g/l) EPA Method 24

See Product Characteristics section for further details

## Elastomeric Epoxy

### SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application, all steel surfaces should be assessed and treated in accordance with ISO 8504:2000.

Oil or grease should be removed in accordance with SSPC-SP1 Solvent Cleaning.

### Concrete Substrates

Concrete should be well cured prior to priming with the appropriate primer. The concrete surface should be dry and pass the plastic sheet test (ASTM D4263). All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All concrete surfaces must also be abrasive blast cleaned to provide a roughened surface and remove laitance. The surface tensile strength (ASTM 4541) as prepared should be at least 2MPa (300 psi). Refer to the Concrete Surface Preparation Guidelines for more information.

Ceilcote Ceilline should always be applied over Ceilcote 680 or Ceilcote 680M Primer.

### APPLICATION

|                         |   |  |             |
|-------------------------|---|--|-------------|
| <b>Mixing</b>           | Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. |  |             |
|                         | (1)   | Agitate Base (Part A) with a power agitator.   |             |
|                         | (2)   | Combine entire contents of Initiator (Part B) with Base (Part A) and mix thoroughly with power agitator. |             |
|                         | Do not mix more material than can be applied within the recommended pot life.   |  |             |
| <b>Mix Ratio</b>        | 5 part(s) : 1 part(s) by volume   |  |             |
| <b>Working Pot Life</b> | 10°C (50°F)   | 25°C (77°F)  | 35°C (95°F) |
|                         | 1.5 hours   | 1 hour   | 45 minutes  |
| <b>Airless Spray</b>    | Not recommended   |  |             |
| <b>Brush</b>            | Recommended   | Use for application of resin saturant  |             |
| <b>Roller</b>           | Recommended   | Use for application of resin saturant  |             |
| <b>Trowel</b>           | Recommended   |  |             |
| <b>Thinner</b>          | DO NOT THIN   |  |             |
| <b>Cleaner</b>          | Ceilcote T-410 Solvent (or MEK)   |  |             |
| <b>Work Stoppages</b>   | Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.                                   |  |             |
| <b>Clean Up</b>         | Clean all equipment immediately after use with T-410 Solvent (or MEK).  |  |             |
|                         | All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.   |  |             |

## Elastomeric Epoxy

### PRODUCT CHARACTERISTICS

The detailed Application Guidelines for the relevant Ceilcote system should always be consulted prior to use.

The Ceilcote Ceilline application shall be conducted by the Applicator Company using employees trained in the appropriate application procedures. It is strongly advised that both application and application supervision is only carried out by professional personnel who have been trained in the correct use of the products.

The exact specification with regards to dry film thickness and number of coats will be provided by International Protective Coatings prior to application start up.

Surface temperature must always be a minimum of 3°C (5°F) above dew point. Ensure adequate ventilation is provided throughout application and curing. Dehumidification (DH) air conditioning and/or heating equipment may be necessary to control environmental conditions.

For all application steps, the surface temperature, air temperature and material temperature should be between 10°C (50°F) and 43°C (110°F).

When working outside or in direct sunlight, concrete "gassing" or "breathing" may occur when the surface temperature is rising due to sunlight or increasing ambient temperature. This can cause bubbles or holes in the applied floor, lining or coating. When this problem occurs it is necessary to shade the surface from sunlight and/or apply the material in the cooler evening or at night so that initial cure can take place without air escaping from the concrete. Consult International Protective Coatings for more detailed recommendation.

### Application

1. Using a trowel, apply 750-1250 microns (30-50 mils) of Ceilcote Ceilline horizontal or vertical basecoat depending upon substrate.
2. While fresh or, in a softened state, use a spike roller to release any entrapped air.
3. Allow the basecoat to fully harden.
4. Mix and apply Ceilcote Ceilline Saturant or Ceilcote 380 Primer (for polyester or vinyl ester topcoats) or Ceilcote 680 Primer (for epoxy topcoats).
5. Apply the mat reinforcement by pressing into the wet saturant. Roll the surface with a short nap roller, and apply any additional saturant as required until the mat is fully saturated.
6. Force out any entrapped air with a ribbed roller.
7. When the surface is dry to touch, grind any seams and any areas of high dry film thickness, vacuum the surface to remove any dust and proceed to topcoating as required.

Following correct installation, Ceilcote Ceilline may be returned to service after the following intervals:

10°C (50°F): 48 hours  
20°C (70°F): 24 hours  
35°C (90°F): 16 hours

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

### SYSTEMS COMPATIBILITY

Ceilcote Ceilline should always be applied over correctly prepared primed substrates. Suitable primers are:

Ceilcote 680      Ceilcote 680M

Ceilcote Ceilline can be overcoated with either Ceilcote 680M, Ceilcote 380 or Ceilcote Ceilline Saturant (including the appropriate reinforcement), followed by topcoating with a wide range of products. Contact International Protective Coatings for further information.

## Elastomeric Epoxy

### ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at [www.international-pc.com](http://www.international-pc.com):

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

### SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations. All work involving the application and use of this product should be performed in compliance with all relevant national Health, Safety and Environmental standards, regulations and legislation.

Proper ventilation must be provided during application and afterwards during drying (Refer to product datasheets for typical drying times) to keep solvent concentrations within safe limits and prevent fires and explosions. Forced extraction will be required in confined spaces. Ventilation and/or respiratory personal protective equipment (airfed hoods or appropriate cartridge masks) must be provided during application and drying. Take precautions to avoid skin and eye contact (overalls, gloves, goggles, masks, barrier cream, etc).

Before use, obtain, read and then follow the advice given on the Material Safety Data Sheets (Parts A and B if two-pack) and the Health and Safety section of the Coatings Applications Procedures for this product.

In the event that welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

The detailed safety measures are dependent on application methods and the work environment. If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product and consult International Protective Coatings.

| PACK SIZE  | Unit Size  | Part A   |          | Part B     |         |
|--|------------|--|----------|------------|---------|
|  |            | Vol  | Pack     | Vol        | Pack    |
|  | 20 litre   | 16.67 litre  | 20 litre | 3.33 litre | 5 litre |
| For availability of other pack sizes, contact International Protective Coatings. |            |  |          |            |         |
| SHIPPING WEIGHT (TYPICAL)  | Unit Size  | Part A   |          | Part B     |         |
|  |            | 18 kg  |          | 3.84 kg    |         |
|  | 20 litre   |  |          |            |         |
| STORAGE  | Shelf Life | Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. |          |            |         |

### Important Note

*The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.*

*This Technical Data Sheet is available on our website at [www.international-marine.com](http://www.international-marine.com) or [www.international-pc.com](http://www.international-pc.com), and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.*

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