



# Congrip

## Heavy Duty Non-Slip Floor Coating

### USES

The Congrip system provides a durable, hardwearing, non-slip textured finish for most floor surfaces found in industrial and commercial buildings. Congrip is suitable for use as a floor coating in a wide range of industrial environments including chemical process areas, food and beverage processing plants, dairies, pharmaceutical plants, production workshops and warehousing areas. The Congrip system is also suitable for use as a non-slip coating for internal walkways and internal car parking areas.

### DESCRIPTION

Congrip is a high build, solvent free, textured epoxy coating producing an anti-slip, hardwearing, chemical and abrasion resistant floor finish.

### ADVANTAGES

|                           |  |
|---------------------------|--|
| <b>Non-slip</b>           | textured surface provides a slip resistant surface   |
| <b>Durable</b>            | good abrasion resistance                             |
| <b>Chemical resistant</b> | resistant to a range of chemicals                    |
| <b>Hygienic</b>           | dustfree, impervious surface                         |
| <b>Low odour</b>          | non tainting and suitable for use in sensitive areas |

|  |  |                    |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
|--|--|--------------------|-----------------------------|--------|-----------------------|---------------|-----------------------|---------------------|--|----------------------|-----------------------------------|----------------------|-------------------------------|
| <p><b>PHYSICAL PROPERTIES</b></p> <p><b>Congrip Basecoat &amp; Topcoat</b></p> <p><b>Specific gravity</b> 1.5</p> <p><b>Pot life</b> 20-30 minutes</p> <p><b>Cure time</b> 8-16 hours</p> <p><b>Time between coats</b> 24 hours</p> <p><b>Initial hardness</b> 18 hours</p> <p><b>Open to light traffic</b> 24 hours</p> <p><b>Full cure</b> 7 days</p> <p><small>(Below 20°C these times will be increased)</small></p> | <table border="1"> <tr> <td>BS EN 13892-4:2002</td> <td>Abrasion Resistance</td> <td>AR 0.5</td> </tr> <tr> <td>BS EN 13892-8:2002</td> <td>Bond Strength</td> <td>B 2.0</td> </tr> <tr> <td>BS 8204:Part 1 2003</td> <td>Impact Resistance</td> <td>Cat. A</td> </tr> </table> <p><b>CE BS EN 13813: 2002 / Synthetic Resin Screed Material</b></p> | BS EN 13892-4:2002 | Abrasion Resistance         | AR 0.5 | BS EN 13892-8:2002    | Bond Strength | B 2.0                 | BS 8204:Part 1 2003 | Impact Resistance  | Cat. A               |                                   |                      |                               |
| BS EN 13892-4:2002   | Abrasion Resistance  | AR 0.5             |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
| BS EN 13892-8:2002   | Bond Strength  | B 2.0              |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
| BS 8204:Part 1 2003  | Impact Resistance  | Cat. A             |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
| <p><b>Slip Resistance Value – BS 7976-2 : 2002</b></p> <table> <tr> <td><b>4S Rubber Slider Wet</b></td> <td>46</td> </tr> <tr> <td><b>4S Rubber Slider Dry</b></td> <td>63</td> </tr> <tr> <td><b>TRL Rubber Wet</b></td> <td>25</td> </tr> <tr> <td><b>TRL Rubber Dry</b></td> <td>118</td> </tr> </table>   | <b>4S Rubber Slider Wet</b>  | 46                 | <b>4S Rubber Slider Dry</b> | 63     | <b>TRL Rubber Wet</b> | 25            | <b>TRL Rubber Dry</b> | 118                 | <p><b>FeRFA - Types of Synthetic Resin Flooring</b></p> <table> <tr> <td><b>2 Coat System</b></td> <td>Type 3 - High build floor coating</td> </tr> <tr> <td><b>4 Coat System</b></td> <td>Type 4 - Multi-layer flooring</td> </tr> </table> | <b>2 Coat System</b> | Type 3 - High build floor coating | <b>4 Coat System</b> | Type 4 - Multi-layer flooring |
| <b>4S Rubber Slider Wet</b>  | 46   |                    |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
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| <b>2 Coat System</b>   | Type 3 - High build floor coating  |                    |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |
| <b>4 Coat System</b>   | Type 4 - Multi-layer flooring  |                    |                             |        |                       |               |                       |                     |  |                      |                                   |                      |                               |

### CHEMICAL RESISTANCE

Congrip is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

### TEMPERATURE

Congrip should not be applied at temperatures below 10° C and above 40° C . A combination of low temperature and high humidity can effect the application and curing of this product.

## COLOURS

Congrip is available in a range of colours, contact our Technical Services Department for details.

## INSTRUCTIONS FOR USE

### SURFACE PREPARATION - CONCRETE

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH before applying the Congrip system.

All substrates should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with degreaser (please refer to Technical Services Department). Laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp.

**For preparation guidelines on other surfaces please contact our Technical Sales Team on 01978 661991.**

### MIXING AND APPLICATION

**CONGRIP** basecoat is a three pack system supplied in pre-weighed units, ready for use on site. Add the entire contents of the basecoat hardener container to the basecoat container and mix thoroughly. Mixing is aided by the use of a drill and paint mixer attachment. Once mixed Congrip basecoat should be applied immediately and should be completed within 30 minutes. If the application is likely to be slow, use a smaller unit. The working life of Congrip basecoat can be extended by pouring the mixed material into a tray. Application is by paintbrush or lambswool roller. The use of a large roller speeds application and improves coverage. The aggregate pack should then be broadcast across the surface of the Congrip basecoat within 20-30 minutes of application.

**SEALING** – Congrip basecoat should be sealed with one coat of Congrip topcoat. The Congrip basecoat should be left to cure overnight and all excess unbound aggregate should be brushed from the surface before application. Proud aggregate can be removed with a scraper before sealing. Mix Congrip topcoat in the proportions supplied, using the same technique as for the basecoat. Once mixed the Congrip topcoat should be applied immediately as a thin continuous film using brushes or rollers. Avoid over application and puddles, which could cover the non-slip aggregate.

### COVERAGE & PACK SIZE

#### Congrip Basecoat

| Pack Size (Kg) | Pack Size (Ltr) | Approx Coverage Per Coat |
|----------------|-----------------|--------------------------|
| 3.5            | 2.3             | 7-9m <sup>2</sup>        |
| 7              | 4.7             | 14-18m <sup>2</sup>      |

#### Congrip Topcoat

| Pack Size (Kg) | Pack Size (Ltr) | Approx Coverage Per Coat |
|----------------|-----------------|--------------------------|
| 2              | 1.5             | 8m <sup>2</sup>          |
| 4              | 3               | 16m <sup>2</sup>         |

N.B. Coverage is dependent on surface texture and porosity

### DISPOSAL

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

### STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C

### PRECAUTIONS

For further information on our precautions on our precautions please see the MSDS.



[www.conren.com](http://www.conren.com)

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