



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

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

PHYSICAL PROPERTIES

Congrip Basecoat & Topcoat

Specific gravity	1.5
Pot life	20-30 minutes
Cure time	8-16 hours
Time between coats	24 hours
Initial hardness	18 hours
Open to light traffic	24 hours
Full cure	7 days

(Below 20°C these times will be increased)

Slip Resistance Value – BS 7976-2 : 2002

4S Rubber Slider Wet	46
4S Rubber Slider Dry	63
TRL Rubber Wet	25
TRL Rubber Dry	118

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

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



CHEMICAL RESISTANCE

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

COLOURS

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

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.

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.

SURFACE PREPARATION - STEEL

When applying to steelwork the surface should be cleaned to a bright metal finish by either grinding or shotblasting to S.A. 2.5. A two-pack epoxy zinc primer should then be used prior to the application of the Congrip.

SURFACE PREPARATION - WOOD

Timber surfaces should be sanded to a clean base and be free from dust, oil or grease prior to the application of Congrip.

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 SIZES

Congrip Basecoat

Pack size kg	Pack size ltr	Approx. Coverage Per Coat
3.5kg	2.3ltr	7-9 m ²
7kg	4.7ltr	14-18 m ²

Congrip Topcoat

Pack size kg	Pack size ltr	Approx. Coverage Per Coat
2kg	1.5ltr	8 m ²
4kg	3ltr	16 m ²

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

PRECAUTIONS

CONGIP is a non-flammable product. Congrip should not be allowed to come into contact with skin and eyes or be swallowed. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and a suitable barrier cream should therefore be used. Ensure adequate ventilation if working in enclosed areas. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed resin comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

DISPOSAL

All tools and equipment should be cleaned with Conren Solvent Cleaner 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.

CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is backed by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is give in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

SPECIFICATION

Anti-slip system shall be Conren Congrip

All products to be applied in accordance with Conren's written instructions.

Conren Limited
Unit 1
The Bridge Business Centre
Ash Road South
Wrexham Industrial Estate
Wrexham
LL13 9UG
Tel: +44 (0) 1978 661 991
Fax: + 44 (0) 1978 664 664
e-mail: info@conren.com
web: www.conren.com