

# CS375

## INDUSTRIAL WEARING SCREED



### KEY BENEFITS SUMMARY

- High abrasion resistance, suitable as an industrial wearing screed
- Fast Cure & Drying: Walk on after 2 - 4 hours and install floor finishes after 24 hours dependent on thickness, temperature & humidity
- Accepts full forklift traffic and is extremely durable
- Can be pumped up to 2,000 m<sup>2</sup> per day with an application range of 5 mm - 25 mm providing a quality solution that is quick and cost effective to apply
- Can be overcoated with CS930 Epoxy Dustproofer & CS900 Epoxy Coating to provide a decorative functional finish
- Very low VOC/protein free, the product complies with HTM 61 requirements

### PRODUCT INFORMATION

#### Description

CS375 is a cementitious, self levelling flooring compound for interior applications.

#### Usage / Purpose

CS375 is specifically designed for industrial warehouses, and production areas where wear resistance is essential.

#### Colour

Grey

#### Packaging

25 kg plastic lined reinforced paper sack

#### Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

#### Standards

All aspects of the installation must be in accordance with the requirements of BS 8203 & BS 8204 and supplementary specifications.

#### Moisture Testing

Suitable for application on substrates with <75% RH. The subfloor should have an intact integral damp proof membrane.

#### Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

#### Preparation

- Ensure all surfaces to be coated are clean, dry, frost free and free from grease, oil, dirt, dust, loose friable material and any other contaminants (coating, laitance, etc.).
- Any surface hardener or curing compounds should be thoroughly removed prior to the application of CS375.
- Mechanical preparation, using an enclosed shotblasting machine may be recommended and should be followed by thorough vacuuming to remove all surface dust.

- Concrete and sand/cement screeds must be fully cured and incorporate an effective damp proof membrane. For full details of surface preparation contact tremco illbruck Technical Services.

#### Priming

- All dry subfloors must be primed/ sealed with ES300 Surface Damp Proof Membrane prior to the application of CS375.
- For subfloors where there is no integral DPM two coats of ES300 must be used.
- For new build projects where there is suspected to be construction moisture in the subfloor, please contact Customer Services to discuss the wide range of TREMCO damp proof membrane systems available.

#### Mixing

- When mixing by hand, use a slow speed electric drill and paddle. Add 4.5 - 4.8 litres of water to the mixing vessel and add the 25 kg of CS375 powder while mixing to ensure a smooth final mix, free from lumps. Typical mixing time is 3 minutes. Do not add additional water as this will reduce the performance of the final screed. Use the minimum amount of water for thick applications or in cold conditions.
- When using a pump, a 65 mm by 40 mm flow ring should be filled with pre-mixed CS375. Using a flow chart, a spread ratio of between 220 mm and 240 mm should be obtained to ensure that a correct mix is passing through the pump.

#### Application

- CS375 should be applied directly after mixing onto the subfloor by pouring a ribbon of material along the previous wet edge and then trowelled out to form a smooth even finish.  
NOTE: Optimum flow and self levelling properties are greatest during the first 15 minutes of the products working time. Elevated temperatures will reduce this optimum application period. Pump application is by direct application onto the subfloor.

- Whilst still wet a spiked roller should be used to blend the flow lines together.
- Water based epoxy coatings (e.g. CS930 Epoxy Dustproofer), may be applied 24 hrs after installation of the CS375, depending on site conditions and temperature.

### Cleaning

Immediately after use all tools and equipment should be cleaned with water. Cured material can be removed mechanically or by acid etching.

### Please Note

Keep screed free from draughts and strong sunlight during the first 24 hours to prevent cracking and crazing.

### Health & Safety Precautions

Safety data sheets must be read and understood before use.

### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### TECHNICAL DATA

PROPERTY	RESULT (Typical Values)
Composition	A blend of special cements, graded fillers, modified polymers and flow admixtures
Density	Wet - 2,000 kg/m <sup>3</sup>
Open Time / Workability (at +20°C)	30 minutes
Compressive Strength	28 days >35 N/mm <sup>2</sup>
Cure Time (at +20°C - based on 10 mm application thickness)	Approximately 24 hours for light traffic and 48 hours for full traffic - subject to good drying conditions (temperature & humidity).
Coverage	1.7 kg/mm/m <sup>2</sup>
Application Temperature	+5°C to +25°C
Temperature Resistance	+50°C maximum
Storage	Store in dry shaded conditions between 5°C and +35°C
Shelf Life	12 months when stored as recommended in original unopened containers

