

# CS-300

## CONCRETE SEALANT TO RESIST LIME EFFLORESCENCE

### DESCRIPTION

CS-300 is a highly penetrative solution specially formulated to react with hydrated cement both at the surface and to a depth of up to 15 mm. The Silicate active ingredients form monolithic structures within the concrete which are long-lasting and durable and will improve surface wear characteristics. Additionally, a silicone resin component cures to form water repellent properties in the concrete thereby improving even further the resistance to surface water absorption and/or lime efflorescence.

New concrete floors may be treated after a period of curing (approx. 14 days). However, power-floated floors are not suitable for treatment. Please note that CS-300 will not prevent excessive laitance from delaminating. Surface preparation to remove excessively weak material by mechanical abrasion is essential. It is also advised that surface weakness in floors with a deficiency in cement content may not be successfully treated by chemical hardening nor is CS-300 suitable as a surface preparation prior to painting.

### ADVANTAGES

- Water-based/odourless
- Reduces dusting of old and new concrete
- Inhibits lime efflorescence
- Extends floor life
- Reduces penetration of oil/water
- Easy to use

### PREPARATION

Remove surface dirt, grease, oil and other contaminants. Open pores by scraping the floor vigorously with a hard broom or wire brush, followed by soft brooming (or vacuum) to remove dust. If the floor is wet washed at this stage, leave to dry before treatment.

### APPLICATIONS

Stir CS-300 thoroughly and pour evenly over the floor surface – a plastic or galvanized metal watering can with a fine rose is suitable. Covering capacity will depend on porosity but an average target is 4–6 m<sup>2</sup>/litre per application. Sweep the dressing backwards and forwards to ensure even saturation and satisfy the absorption of the floor. Avoid forming puddles. Allow to stand for 24 h between coats. The floor can be used during treatment. The number of coats required will depend on porosity of the floor. Applica-

tions should continue at 24 h intervals until the surface is no longer dusting after rubbing (2–3 coats is normally sufficient). Do not use at temperatures below 5°C.

It is very important to remove excess dust-proofer and hardener from the surface with a sponge or mop ten minutes after application in order to remove any unreacted material from the surface. 24 hours after the final application swill the floor down with clean water and brush well. Concrete dust-proofer and hardener is not recommended for use with floor paints.

### PACKAGING

CS-300 is available in 25l pails; 40 pails per pallet.

### STORAGE AND CLEAN UP

Store safely above 5°C and away from direct sunlight, sources of heat and foodstuffs. Store away from incompatible materials. All equipment should be cleaned and rinsed out with water after use. Dispose of waste and residues in accordance with local authority requirements. CS-300 is classified as 'Irritant' under EU labeling Directives. Refer to SDS for other warnings and product safety information.

TECHNICAL DATA	
PROPERTY	VALUE
Appearance	Clear
Coverage	First Coat: 1 litre per 4 – 6 m <sup>2</sup> , subsequent coats 1 litre per 6 – 8 m <sup>2</sup> .