

CCS Armourthane

DESCRIPTION

CCS Armourthane is a two part high solids, high build, acrylic modified, polyurethane sealer/coating formulated to provide a smooth hard wearing surface for concrete.

Note: CCS Armourthane may be coloured on request.

RECOMMENDED USES

CCS Armourthane is suitable for:-

- domestic and retail flooring.
- polished concrete.
- the final coating of the CCS Galaxy Coating System.
- garage and workshop floors.
- an anti-graffiti coating on concrete and rendered walls.
- a UV stable top coat for epoxy floor systems.

PACKAGING

CCS Armourthane is available in a 20 litre kit consisting of:-

Part A – Base – 15 litres

Part B – Hardener – 5 litres

CCS Armourthane Solvent is available in a 5 litre drum.

APPLICATION METHOD

CCS Armourthane should be applied with a good quality roller or brush.

COVERAGE

If coating a smooth concrete surface:-

First Coat:- 8-10m²/litre

Second Coat:- 10-12m²/litre.

If coating a CCS Galaxy Flake Floor:-

First Coat:- 4-5m²/litre.

Second Coat:- 6-7m²/litre.

PREPARATION

All surfaces to be sealed must be structurally sound and any previous coatings such as curing compounds, adhesives, efflorescence or laitance should be removed.

• Existing Concrete

To ensure all surface contaminants are removed, apply CCS HD Degreaser or CCS Citric Cleaner to the surface, removing any oil stains.

Scrub the surface with auto scrubbing equipment or use a high pressure water cleaner to remove contaminants, ensuring all traces of the degreaser are thoroughly removed.

• Over New Concrete

Fresh concrete which has not been treated with CCS Same Day Sealer or a curing agent should be left to cure for a minimum of 28 days prior to application of sealer.

Remove all oil, grease and dirt using CCS HD Degreaser. Then thoroughly wash the surface using auto scrubbing equipment or a commercial high pressure water cleaner.

Where efflorescence or laitance is present, a mild citric cleaner wash may be required. Use CCS Citric Cleaner as per the label and data sheet instructions.

All concrete surfaces must be thoroughly dry before applying any sealer.

• Resealing Concrete

Remove all dirt and dust from the surface using HD Degreaser.

Re-application of the product requires surfaces previously sealed with CCS Armourthane to be lightly grinded or sanded to provide an adequate 'key' for the new sealer.

Apply one undiluted coat of sealer as per guidelines below.

FIRST COAT

1. Premix Part A and Part B of the kit separately to form a homogeneous paste
2. Join the two components by mixing one part of Part B with three parts of Part A. Mix thoroughly for a minimum of five minutes until well blended. Then allow the product to sit for five minutes before applying it to the surface. Note: Only mix as much as might be used within the pot life of the product (ie:- the pot life of the product is approximately 45 minutes to one hour depending on climatic conditions).
3. Avoid trapping air during mixing as this may cause later 'pin holing' in the coating during application.
4. Thin the first coat of CCS Armourthane diluted 5-10% with CCS Armourthane Solvent. CCS Armourthane may be applied by brush or good quality roller. Note: Allow the coating to cure for four hours between coats.
5. The second coat should be applied undiluted at right angles to the previous coat.

CLEAN UP

Wash all equipment thoroughly in CCS Armourthane Solvent.

CURING TIME

CCS Armourthane will be touch dry in 3-4 hours and hard dry in 10 -12 hours.

APPROPRIATE SURFACE TEXTURE

As a general statement, the application of a coating to concrete will reduce the existing slip resistance of that surface. Consequently, care must be taken before sealing concrete to ensure that the surface texture has sufficient profile to provide adequate traction. To aid traction, mix a satchel of CCS Sealer Grip additive into the sealer prior to application of the final coat. However, as the sealer wears, the traction additives will also diminish in effectiveness.

CCS Glass Beads can also be added to aid traction. CCS Glass Beads should be applied during the application of the first coat by casting it onto the surface in a uniform manner. A second coat of CCS Armourthane should then be applied over the glass beads.

STORAGE

Store in a bunded area or in an approved flammable store away from direct heat.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, inadequate preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



CONCRETE
COLOUR
SYSTEMS

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