

R.S. Cemcrete

Polymer based cementitious coating

Product Data Sheet

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DESCRIPTION

R.S. Cemcrete is a polymer/cement based product designed to be laid over a wide range of surfaces to provide a durable surface strongly bonded to the substrate with a degree of flexibility to enable the accommodation of movement in the substrate and structure of the building.

R.S. Cemcrete can be applied to both walls and floors (depending on grade) with a variety of finishes to achieve both textural and decorative effects. R.S. Cemcrete can be over coated with a wide range of RSL coatings and finishes to further enhance the decorative and functional properties of the surface.

R.S. Cemcrete can be used as a thin section underlayment to provide a tough and durable profiled surface for the application of Resuseal and Resucoat finishes, in medium to heavy duty areas, and Resupen WB in external areas.

R.S. Cemcrete can be used as a finish to both internal and external surfaces to provide a light stable and durable surface able to withstand light to medium traffic, and is particularly suitable in areas where foot traffic is found.

WHERE TO USE

With suitable cleaning and preparation and where required, appropriate priming, R.S. Cemcrete will adhere to a wide range of substrates including concrete, wood, asphalt, steel, glass, slates, lead, galvanised or corrugated iron, bitumen based materials, expanded polyurethane foam, fibreglass, asbestos and mineral based tiles etc

R.S. Cemcrete can be used both internally and externally to achieve durable finishes to both wall and floor surfaces. Where used externally suitable weather proof and light stable finishes should be considered.

GRADES AVAILABLE

RS Cemcrete is available in two grades and two colours

| | |
|----------|---------------------|
| Finishes | Smooth and Textured |
| Colours | White and Grey |

Pigment packs can also be supplied to through colour R.S. Cemcrete, however these are subject to minimum order and a limited colour range Please consult RS Technical Service for further information.

ADVANTAGES

- 1 Able to be built up to achieve range of thicknesses and finishes in multiple applications
- 2 Elastomeric,, allowing for the accommodation of structural movement.
- 3 Water based product that can create a moisture vapour permeable surface.
- 4 Easy of application, with good working time and application properties.
- 5 Able to be used both internally and externally

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PHYSICAL PROPERTIES AT 20°C

Packaging

10 kg bucket and a 25 kg bag
20 kg bucket and a 2*25 kg bags

Specific gravity

Liquid component 1.03
Mixed product (wet) 1.7

Solids content

Resin component 25 %
Aggregate 100 %

Coverage

Dependant on application method used
surface profile and thickness required
when applied at 1.75 kg/m² a wet film of
approximately 1 mm will be achieved giving a
dry film of 0.7 mm
Two coats are recommended

Finish

Grey or white
textured or smooth

Elongation at Break

Base resin 300% (Din 53504)

Tensile strength

1.0 MPA (Din 53504)

Adhesion strength

Greater than 1.5 N/mm

PREPARATION

All surfaces must be clean and free from all loose materials, oil and grease etc. Where appropriate the use of vacuum shot blasting on floors should be considered to achieve a clean surface with a sound key. Defects in existing surfaces should be made good, before the application of the R.S. Cemcrete. Where evidence of organic growth, lichen, moss etc. is apparent, surfaces must be thoroughly cleaned and should be treated with a long term fungicidal/biocidal treatment which should be allowed to react and washed down. Careful attention should be given to areas in both horizontal and vertical surfaces such as cracks and joints where water penetration is possible. Rust etc must be removed and treated with a suitable metal primer such as RX66.

APPLICATION

Absorbent porous surfaces such as brickwork, asbestos, woodwork and crumbling friable concrete should first be Primed with a solution of R.S. Cemcrete and water 1:1 by volume. This should be evenly applied and worked into the surface and allowed to dry.

R.S. Cemcrete can be applied by a variety of techniques including trowel pin rake, brush, squeegee etc. and the smooth grades can be sprayed (subject to test on specific equipment).

Each coat should be evenly applied and allowed to dry before the next is applied , Where specific finishes are required it is recommended that trials are undertaken to ensure that the techniques are understood and able to be used on the surface available.

CLEANING

Tools and mixing machines should be cleaned as soon as possible with cold water.

SAFETY

R.S. Cemcrete materials are manufactured from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases spillages or skin contamination should be cleaned as soon as practically possible by thorough washing with soap and water.

Consult Safety Data Sheet Ref. HSCE

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the company is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents.

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