CreteSeal-Waterbased Datasheet

September 2016

A novel and innovative PUD/Acrylic water based interior, exterior satin sheen finish for uncoated cement and decorative cement floor finishes to protect substrates from rain/sun and wear and tear.

Technical Data

Type	PU/Acrylic
Colour	Transparent
Pot life	Skins at early stages
Initial set	6-8 hours
Final cure	7-10 days
Working time after mixing	30 minutes
Application temperature (ambient)	5°C-30°C
Substrate temperature	5°C-30°C
pH scale	Alkaline at 8.4
UV resistance	Stable and non-yellowing
Abrasive resistance	Trafficable after 7-10 days at 25°C and 59% RH
Density	0.9kg/litre
Protection during application	Use sun and wind barriers
Safety	See MSDS

Product Features

- Impedes fungal growth
- Excellent adhesion to range of properly prepared slasto, tile and masonry/cement floor substrates
- Reduces the chance of efflorescence and water absorption
- High lights the natural colour of tiles, screeds and slasto
- Excellent chemical resistance against a range of domestic/light industrial chemicals stops staining of the tiles, slasto especially around braai areas

Application Areas

- Cemcrete's Colour Hardener, CreteCote, and FloorCrete
- Low and high density cement screeds
- Slasto, stone and uncoated tiles

Specimen finish

A trial area should be treated on-site for the architect's approval and suitability.

Surface Preparation

Surfaces should be clean, hard and dry at the time of application. For uncoated dry concrete, cement screeds, stone, slasto and tile surfaces. Remove all dust, foreign material, fungal, algae growth - fill and seal all visible cracks.

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Application Procedure

- The first coat must be applied to the dry substrate using an 'Addis' primer and undercoat roller and be allowed to dry completely until it is tack free before applying the second coat, normally a minimum of 6-8hours at 24 degrees
- The second coat must be applied at a 90 degree angle to the first coat
- A 3rd coat may be necessary depending on the initial substrate porosity
- Clean up application equipment with water
- Apply water droplets to various parts of the floor. If water is absorbed, apply additional suitable coats
- Ensure no pooling of the sealer is left on the surface during application

General

- Do not apply before 9am or after 4pm in the winter
- Do not apply to exterior surfaces if rain appears immanent within 4-6 hours of application
- This sealer is ready for use un-thinned, thinning will reduce its effectiveness. Curing membranes and shutter release agents should be completely removed prior to the commencement of work
- Apply as many thin coats as is needed to achieve an even sheen across the surface for best results
- **CreteSeal-Waterbased** must be allowed to dry completely, normally 24-48 hours, before it is subjected to temperatures below 6 degrees or to water from any source, such as hoses, sprinklers, condensation, or rain
- After the sealer is completely dry, the area may only be opened to light use within the first seven days after application. The sealer gains strength after this period

Coverage

Although the spreading rate will vary with porosity and type of substrate. For uncoated new work on 8-10m^2/L for the first coat and 10-12m^2/L for subsequent coats.

Maintenance

Spills should be removed promptly and floors cleaned regularly to minimize possible staining and damage to the sealer. See the CreteCare range for additional maintenance.

Precautions

- This product is non Flammable
- Contains only low levels of VOC (EU regulations)

Packaging

Available in 1 L and 5 L containers only

Limitations

CreteSeal-Waterbased is destroyed by freezing. It cannot be restored to a usable condition by thawing and remixing. The sealer must only be used onto properly dried substrates. Damp objects may leave deposits, stains, or discoloration if allowed to remain on the sealed concrete for an extended period of time. **CreteSeal-Waterbased** must not be used in areas subject to water submersion or significant chemical exposure, concentrated abrasion and scratching such as from metal wheeled chairs and trollies etc.