

# EverCrete®™

## - a permanent solution to concrete problems

### Used for impregnating of:

- foundations
- ground concrete
- bridges
- drains
- parking lots / garages
- tanks
- swimming pools
- tunnels
- concrete elements
- facades
- ceilings



### Product description:

EverCrete is a non-toxic water-based waterglass (sodium silicate) impregnation agent which penetrates the pores of cementitious materials deeply (10-30 mm). EverCrete prevents water penetrating, thus protecting against degrading substances which would otherwise be water-borne. EverCrete cures, binds dust and strengthens concrete. The catalyst to which EverCrete has been added, reacts with alkali in the concrete and forms an internal water-barrier. EverCrete does not change the colour, structure or other existing characteristics of the surface to which it is applied. EverCrete does not form a surface film. It is completely absorbed by the concrete when applied. EverCrete resists water - reduces suction - seepage - growth of algae - fungi - corrosion - tracks and reinforcement damage. EverCrete affects the curing process of new concrete, gives an even, deep curing which in its turn dramatically reduces shrinkage cracks, while impregnating the concrete and increasing its strength.

EverCrete increases adhesion and the useful life of any painted layer / membrane, cement plaster and mastic. EverCrete may be used above and below ground.

### Advantages:

- Often, one layer will be sufficient.
- Does not change the existing colour.
- Reduces seepage and stops water pressure.
- Pre-treatment before painting doubles useful life of paint system (ref. Disney World - Disneyland).
- Reduces weathering, dust and tracks forming.
- Protects against penetration of grease, oil and acids.
- Cures new concrete and reduces hairline cracks.
- Seals and reinforces all cementitious surfaces.
- Makes for easier removal of ice and snow.
- Dries out old moisture-damaged concrete / cement plaster.
- Non-toxic (see separate MSDS data sheet).
- Less maintenance.

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## Application:

1. EverCrete should not be diluted.
2. Apply with brush, roller or sprayer (garden sprayer is OK).  
**NB!** When painting with a brush, don't refill EverCrete back into the packaging, as fragments of cement/concrete may be introduced and start the reaction in unused EverCrete. (Will set). Vertical surfaces: Start from the bottom and apply evenly to all details.
3. New concrete may be treated directly after removal of shuttering, or as soon as floor can take pedestrian traffic. Will also act as a curing membrane at this point.
4. If particularly serious problems, treatment should be repeated.
5. On floors soiled by oil, blood etc.: Apply EverCrete. Oil, blood etc. will now be lifted/forced to the surface and must be washed off before EverCrete is re-applied. NB! In the event of oil spills, it is possible to remove the oil in this manner, but floor will be permanently discoloured.
6. EverCrete will normally be penetrating for approx. 4 hours after application before the reaction starts (old concrete). Limited pedestrian traffic is allowed after 30 minutes.
7. The EverCrete process takes 4 - 10 days and any deposits are washed / rinsed off with cold water before it is left to cure. Check and rinse daily.
8. Paint/coating may normally be applied approx. 10 days after the application of EverCrete.
9. Tools to be cleaned with water.

## Consumption:

Normally 3.5-4.0 m<sup>2</sup> per litre.

When treating the negative side (inner cellar wall etc.): 2 m<sup>2</sup> per litre. We recommend protective gloves and goggles.

## Warning:

Must not be applied to glass or glazed surfaces or aluminium. If there is spillage on the said surfaces, wash thoroughly with water. Must not be applied to coloured tile, as white deposits will detract from the look of the surface for a long period. (use BrickCover). Has little or no effect on Leca, Siporex or similar materials (little alkali present). (Use mortar first). Experiment a little.

## Pre-treatment:

- Concrete / cement plaster needs no pre-treatment. If concrete / cement plaster is dry, pre-watering is required. We recommend spraying with water immediately beforehand in sunshine.
- EverCrete penetrates better in moist (not wet) concrete / cement plaster.
- Temperatures must be above 5 °C.
- Paint or other surface-treatment (Epoxy, curing membrane) must be removed for effective penetration. (Scraping, sandblasting, sandwash, caustic soda etc.).
- Big cracks must be V-carved and filled with mortar before applying EverCrete.
- EverCrete is able to fill shrinkage cracks and hairline cracks.
- If EverCrete has frozen, please thaw completely and shake well before use. (Freezing does not harm EverCrete).

## Other products in this series:

### BrickCover :

A non-toxic one-layer impregnation which seals mineral-based building materials. Water-based.

Talk to your distributor for further information.

## Producer:

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## Distributor: