



### About Evercrete® Deep Penetrating Sealer (DPS)

Evercrete® DPS is an environmentally friendly, non-toxic, non-flammable, odorless, clear, water-soluble liquid compound which is safe and easy to use. Evercrete® DPS outlasts and outperforms every other sealant on the market today. It is inorganic and based on natural minerals, affecting neither your health nor the environment. Evercrete® DPS can be stored for extended periods.

### How does it work?

Evercrete® DPS penetrates up to approximately 3cm below the surface of concrete and chemically reacts with the calcium hydroxide ( $\text{CaOH}_2$ ) present in the concrete, this reaction occurs in two stages: The first stage an air-silicate gel is formed which then turns into a glass-like crystalline structure. The second stage; during a reaction between the Evercrete® DPS silicate and the calcium hydroxide in the cement, the hydroxide group is vaporized. In short, the chemical reaction ensures that the impregnated layer is dried. The results: Concrete with increased hardness and strength whilst reducing moisture vapor emissions and permanently stopping the penetration and flow of water and water-borne contaminants such as chlorides and acids, both on the positive or negative side.

Evercrete® DPS therefore has the ability to extend the lifetime of concrete structures by protecting them against the elements to which they are subjected to on a daily basis such as rain, salts, oils and chemicals.

### Advantages of using Evercrete® DPS

- Waterproofs and preserves concrete.
- Protects concrete against chloride ion ingress.
- Permanent, no re-coating required.
- Increases concrete compressive strength and surface hardness.
- Anti-Carbonation.
- Protects concrete from effects of chemicals.
- Can be applied to both dry and damp surfaces.
- Eliminates the formation of dust on concrete.
- Improves adhesiveness for other finishes.
- Reduces efflorescence.
- Non-toxic and environmental friendly.



### What's unique about Evercrete® DPS?

According to U.S. testing laboratories, the interior of a piece of concrete contains a minimum of 360 times the amount of alkali (calcium hydroxide  $\text{CaOH}_2$ ) as compared to the surface area. Evercrete® DPS permeates into the surface by up to 3cm to become a permanent part of the concrete - not just a surface coating. Because it becomes part of the concrete, you only have to apply Evercrete® DPS once (refer to application procedures). Most other sealant applications are surface treatments and, by their own chemical compositions, will react negatively with the moisture and alkali in the concrete and soon peel off or leach out due to this aeration and deterioration. Evercrete® DPS is unaffected by UV light exposure.



# “Concrete Solutions That Stand The Test Of Time”

## Application

- Shake or stir Evercrete® DPS prior to use.
- The concrete substrate should be sound, free from voids, cracks, oil, grease, curing agents or other contaminants.
- It is preferable to pre-wet the cleaned surface first. (Optional)
- Apply Evercrete® DPS liberally by low-pressure spray.
- Apply a second coat at least 24 hours after the first coat.
- On walls, apply Evercrete® DPS from the bottom up.
- On floors, apply Evercrete® DPS so that the surface has a mirror wet look. Do not allow ponding.
- If the floor or wall is to be covered with tiles, paint etc, wait at least seven days before covering.
- Evercrete® DPS is not meant to fill or seal visible cracks.
- Do not apply to glass, glazed surfaces or aluminum as etching will occur. In case of accidental contact, immediately rinse thoroughly with water.



## Packaging

5 US gallons / pail  
(18.925 Litres / 22 Kilograms)



## Recommended Coverage

Coverage 8 - 18m<sup>2</sup> (approx. 80 - 180 sq.ft.) per gallon (two coats). The coverage depends on the permeability of the concrete substrate and the surface absorption.



## Technical Data

Form:	Colorless clear liquid
Flash point:	Non-flammable
Specific gravity range:	1.01 ~ 1.11
Odor:	None
Solubility in water:	Complete
Toxicity:	Non-toxic
Diluent:	Use undiluted

For more information on Evercrete® products please visit our website at:

[www.evercrete.com](http://www.evercrete.com)

Product of the USA.

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