

DESCRIPTION

DermaSeal is a clear, water-based resin silicate sealer and penetrating treatment for exterior concrete and masonry surfaces. This sealer is specifically designed to help protect surfaces from scaling and limit the intrusion of moisture, chlorides and other harmful weather conditions into the substrate.

ADVANTAGES

- Penetrates deeply for utmost protection
- Abrasion resistant
- Waterproof to most atmospheric contaminants
- Reduces water penetration significantly
- Improves traction
- Leaves no gloss or shine
- Can be used under wet conditions, such as beach entries, fountains or rock waterfalls.
- Eliminates efflorescence
- Hydrocarbon resistant
- Can be used as a primer for improved adhesion with paints or mineral substrates
- Does not trap moisture
- Non-staining
- Resists freeze-thaw spall-off
- Reduces water absorption
- Allows an easier process for ice/snow removal

APPLICATIONS

DermaSeal is suitable for many architectural applications such as architectural concrete, exposed aggregate concrete, clay tile, stucco, pavers, concrete block, split face block, and porous/dense brick.

DermaSeal is designed to provide long-lasting protection from de-icing chemicals and moisture intrusion.

DermaSeal can be used on both vertical and horizontal surfaces. DermaSeal is weatherproof and protects virtually all concrete and masonry surfaces, including driveways, masonry, walkways, and vertical walls

TECHNICAL

Color	Clear
Physical	Liquid
Solvent	Water
Odor	Subtle
pH	8±
Flash Point	None
Boiling Point	2120°F/100°C
Flammability	None
Freeze Point	320°F/0°C
Freeze Harm	Do Not Allow
Specific Gravity	1.02±
Weight Per Gallon	3.83kg/8.46lbs
Hazardous Vapors	None
Environmentally	None
VOC/VOS Compliant	Yes
Resistant To UV	Yes
Equipment Cleaning	Soap & Water
Waste Disposal	Non-Hazardous
Paintable	Yes
Shelf Life	See Section Below

DermaSeal meets or exceeds the following standards:

- ASTM C-672 Section 7 - Water absorption
- ASTM-672 Section 9 – Suction
- ASTM C-67 Section 10 – Efflorescence
- ASTM C-666 - Freeze-thaw resistance
- ASTM C-666 - Salt attack resistance
- AASHTO T259-78 - Chloride ion penetration
- VOC/VOS Compliant

LIMITATIONS

Do not allow the product to freeze prior to application. Keep at room temperature.

Spills or droplets should be removed ASAP as they can etch glass. Remove immediately with a dry cloth



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The surface can turn white or discolored if the product is over-applied. This occurs if:

1. Material ponds or puddles, due to too much product
2. Overspray is made over dried coating
3. The surface must be completely dry before adding the product. *(Use a moisture meter prior to application, and the reading on the meter must be in the medium range or below).*

Cold Weather Conditions: When environment temperatures are less than 50°F/10°C or forecasted to drop below 50°F/10°C. Do not proceed with application of **DermaSeal** during the next 5-8 hours.

Hot Weather Conditions: If temperatures are extremely hot, application of **DermaSeal** should be made late into the night or very early in the morning. If you have the option to choose, early morning is best.

Wet Weather Conditions: Do not apply **DermaSeal** in wet conditions or when rain is expected within 24 hours.

Windy Weather Conditions: If **DermaSeal** dries on glass or any area not specified to be treated due to windy conditions. It is very difficult to remove. Be sure to remove immediately with dry cloth.

PACKAGING

55 Gallon Drums

275 Gallon Totes

5 Gallon Pails

MIXING AND APPLICATION

Application **MUST** be on a dry surface with low-pressure spray equipment with tip size of .026 to .072. **DO NOT ATOMIZE** (use pump-up commercial sprayer with fan tip). Larger areas may use an airless sprayer at the lowest pressure and a # 619 spray tip.

Holding tip 6"-12"/150-300mm from surface using overlapping spray pattern and fanning motion at the end of each horizontal pass. Do **NOT** apply a second coat.

Entire area being treated is to be applied in a single application. Do **NOT** allow **DermaSeal** to puddle. If a puddle does occur, immediately disperse it with a broom to stop the application from whitening and drying.

Dried products are extremely difficult to remove. Precautions should be taken to cover any areas not intended to be sprayed. If there is an overspray or accidental contact, remove product with dry cloth before it dries.

Depending on temperature and other weather conditions, **DermaSeal** will normally dry in 12- 24 hours at 70°F/21°C.

Do **NOT** forget that all surfaces **MUST BE DRY** before application. Do not apply to uncured plaster, concrete, mortar, or stucco.

CLEAN -UP AND SAFETY

- Small or large enclosed areas where wear **The Concure Group's Concure Weather Shield** is applied, a suitable respirator should be worn to avoid possible irritation to breathing.
- Avoid wearing watches, jewelry, eyeglasses etc., because once **The Concure Group's Concure Weather Shield** is dried, it is extremely difficult to remove.
- Use mild soap and water to clean all equipment.
- Do not store spray equipment without cleaning and following manufacturer's recommendations for storage between usages.

DermaSeal - Technical Data Sheet

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SHELF LIFE

Shelf Life is indefinite provided containers are kept tightly sealed when not in use. DO NOT ALLOW FREEZING PRIOR TO APPLICATION PACKAGING.

MAINTENANCE

No special maintenance required.

TECHNICAL SERVICES

Technical information and assistance may be obtained from your local dealer, or by calling the technical department of The Concure Group at 610-864-8502 or Email: info@concuregroup.com.

LIMITED WARRANTIES

Extended Warranties are available. Written extended warranties are available on a per job basis. Please call for information.

DISCLAIMER: To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to substitution due to supply change shortages without prior notice. Please contact The Concure Group to confirm most up to date product information.

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