

CRAFTSHIELD™

Manufactured Stone Veneer
Protective Treatment



PRESERVING THE

Art **OF MASONRY**

Manufactured Stone Veneer is an expressive building product that has sparked the creativity of discerning Architects, Designers and Builders the world over. Boral, rich in color, texture and character, remains true to nature's inspiring palette. But it is the artistry of the mason that creates the timeless and enduring spaces we admire with stone.

CraftShield™ is a protective treatment that preserves the intended artistry and beauty of the installation while safeguarding the surface from the elements.



CRAFTSHIELD ADDS

*Long -
lasting* PROTECTION

NO. 1

WATER REPELLENT: CraftShield is a pre-diluted, penetrating, breathable and water-based silane / siloxane water repellent.

NO. 2

VERSATILE: Designed for use on concrete and most masonry surfaces including stone and brick veneer.

NO. 3

10 YEAR PROTECTION: Chemically bonds deep within the stone to help resist staining, spalling, cracking and other damage related to water intrusion.

NO. 4

LOW VOCs: Low odor and alkaline-stable formula is ideal for both exterior and interior applications.

NO. 5

WON'T CHANGE THE LOOK: Goes on wet and dries invisible to the eye.



**WATER
REPELLENT**



**SNOW + SLEET
PROTECTION**



**LOW VOC
EMISSIONS**



**WON'T CHANGE
LOOK OF STONE**

CraftShield safeguards the beauty and artistry of stone from a variety of elements and climates.





PRODUCT FEATURES

1. Deep penetration for long-lasting protection on vertical or horizontal surfaces.
2. Treated surfaces “breathe”—does not trap moisture.
3. Water-based formula minimizes fire hazards associated with alcohol or solvent-based water repellents.
4. Water-based formula allows for easy soap and water cleanup from window glass, window frames and application equipment.
5. Low odor allows safe application in occupied buildings or residential spaces.
6. Alkaline stable and suitable for new “green” concrete, 14-28 days old.
7. Estimated service life is more than 10 years.

COVERAGE

One gallon of CraftShield covers 150-200 square feet of surface area.

LIMITATIONS

1. Will not keep water out of cracks, defects or open joints.
2. Not for below-grade applications.
3. Not suitable for application to synthetic resin paints, gypsum or other non-masonry surfaces. The product may interfere with adhesion of paints and coatings. Always test for compatibility.

PREPARATION

Protect people, vehicles, property, plants, windows and all non-masonry surfaces from product, splash, residue, fumes and wind drift. Protect/divert foot and auto traffic. Best performance is on clean, visibly dry and absorbent surfaces. Excessive moisture reduces the treatment’s service life and performance. Clean newly constructed and repointed surfaces before application.

Product will not impair adhesion of most sealing and caulking compounds. Always test for compatibility.

Protect window glass before using. If impractical, follow these steps:

1. Clean window glass thoroughly before using product.
2. Do not use in wind or if air surface temperatures are above 95°F (35°C). Try to keep product off the glass.
3. After treated surfaces have been protected from water for 6 hours, clean window glass with soap and warm water.

SURFACE & AIR TEMPS:

40-95°F (4-35°C) during use and for 8 hours after. If freezing conditions exist before application, let masonry thaw. Product’s water carrier may freeze at low temperatures or evaporate in high temperatures. Clean up is more difficult on surfaces above 95°F (35°C).

EQUIPMENT:

Apply with brush, roller or low-pressure spray (<50 psi). Fan tips are recommended for sprayers. Avoid atomization of material.

STORAGE & HANDLING:

Store in a cool, dry place. Keep from freezing.

TECHNICAL DATA

FORM: White milky liquid

SPECIFIC GRAVITY: 0.996

PH: 4-5

WT/GAL: 8.29 lbs.

ACTIVE CONTENT: 7%

TOTAL SOLIDS: 4% ASTM D 5095

FLASH POINT: >212°F (>100°C) ASTM D 3278

FREEZE POINT: 32°F (0°C)

SHELF LIFE: 1 year in tightly sealed, unopened container.

APPLYING CRAFTSHIELD

Before use, read *Preparation*.

ALWAYS TEST each type of surface before overall application for suitability and results. Treated surfaces dry to touch in 1 hour. Protect surfaces from rainfall for 6 hours following treatment. Sealer gains its water-repellency properties in 72 hours. Always test to verify compatibility between sealer and other proposed surface treatments. Test using the following application instructions. Let test area dry thoroughly before inspection.

DILUTION: Do not alter, dilute product or use for applications other than specified.

VERTICAL APPLICATION INSTRUCTIONS

SPRAY: Saturate from the bottom up, creating a 4" to 8" rundown below the contact point. Let the first application penetrate for 5 to 10 minutes. Saturate again; however, less will be needed for the second coat.

BRUSH OR ROLLER: Saturate uniformly. Let penetrate for 5 to 10 minutes. Brush out runs and drips that do not penetrate.

DENSE SURFACE APPLICATION INSTRUCTIONS

Apply a single coat. Use enough to completely wet surface without creating drips, puddles or rundowns. DO NOT OVER - APPLY. Test for application rate.

HORIZONTAL APPLICATION INSTRUCTIONS

Saturate in a single application. Use enough to keep the surface wet for 2 to 3 minutes before penetration. Broom out puddles until they soak in.

CLEANUP

Wash equipment, tools and overspray with soap and warm water.

VOC INFORMATION

Complies with all known national, state and district AIM VOC regulations.

PERFORMANCE TESTS

Laboratory testing shows CraftShield to be a highly effective general-purpose water repellent/chloride screen:

1. **ASTM E 514 Standard Test Method for Water Penetration and Leakage through Masonry**
(Compared to untreated control) 100%

2. **ASTM E 96 Water Vapor Transmission**

(Retention compared to untreated control) 91%

3. **ASTM C 97 Reduction of Water Absorption**

(Compared to untreated control) 89%

4. **Rilem II.4 Tube Test**

5.0 milliliter tube 0 ml loss

5. **Surface Deterioration/Discoloration:** None

6. **Sunlight Resistance:** Excellent

7. **Alkalinity Resistance:** Excellent

WARRANTY

Boral warrants this product to be free from defects. Where permitted by law, Boral makes no other warranties with respect to this product, express or implied, including without limitation, the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible for making his own tests to determine the suitability of this product for his particular purpose. Boral's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas where defective product has been applied. Acceptance and use of this product absolves Boral from any other liability – from whatever source – including liability or incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of Boral, its distributors or dealers.

SHELF LIFE: 1 year in tightly sealed, unopened container.