



DESCRIPTION

StoneCoat CARVE is a pre-formulated, pre-mixed Base AND Finish Coat for new installation, restorations, and renovation projects. Also, EPD certified to produce 90% less carbon emissions, cradle to grave, than Portland-based cementitious products.

FEATURES

- Decorative coating that replicates the look of stone, coating EPS foam shapes and panels.
- Lightweight and customizable.
- Available in three natural colors and can be custom-blended to match virtually any color.
- Allows stone to be specified where it may have been otherwise structurally non-feasible.
- Because it is a limestone veneer, therefore a masonry material, it can be specified where restricted code or municipal masonry material restrictions may prevent the use of other products (including EIFS).

PURPOSE

StoneCoat CARVE is a natural limestone-based plaster suitable for vertical applications. It is a lightweight cladding with the flexibility to be carved into elegant stone designs. StoneCoat CARVE's crack resistant and weatherproof surfaces ensure stunning appearances for years with minimal upkeep. It is a versatile Base and Finish for interior and exterior applications.

StoneCoat CARVE is made from natural limestone and additives that give it durability and flexibility for hopped and troweled installations.

StoneCoat CARVE, along with our StoneCoat Shield sealer, leverages the properties of natural limestone that allows moisture to wick and escape to the surface while preventing moisture absorption. This breathability allows air to penetrate the surface fulfilling our "Green" product's ability to absorb carbon dioxide.

PROFESSIONAL INSTALLATION

StoneCoat CARVE is intended to be applied by professional applicators who demonstrate experience and craftsmanship and the application requirements of StoneCoat product endorsements.

SUBSTRATE

Using StoneCoat Systems – the veneer can be applied to:

- Brick Masonry
- Concrete
- Concrete Masonry Unit (CMU)
- Cement Stucco
- Synthetic stucco
- Pre-painted stucco
- Glass-fiber reinforced concrete
- Adobe/CEB
- SIP panels
- Wood

LIMITATIONS

Do not apply directly to unstable or unapproved substrates:

- Asphalt
- Elastomeric or acrylic EIFS type finish coats
- Wood, GFRC, PVC, ABS, urethane, or other plastics
- Sheet metal or other metal or steel (metal lathe, grounds and reglets are acceptable for direct contact).

TECHNICAL INFORMATION

For questions concerning this product or its use, contact StoneCoat Technical Services at (972) 846- 8295.

PACKAGING

50 lb. bag

COVERAGE

Thickness	Coverage
1/4"	~18-20 sf
3/8"	~11-13 sf
1/2"	~9-10 sf
3/4"	~6-7 sf

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets (SDS) and product label information for all this product prior to use. The SDS can be obtained by visiting www.stonecoat.com. Use only as directed.

Causes severe skin burns and eye damage. Causes serious eye damage. May cause cancer (Inhalation). Causes damage to organs (lungs) through prolonged or repeated exposure (Inhalation). Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using the product. Wear eye protection, protective clothing. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse, Store locked up, Dispose of contents/container to hazardous or special waste collection point, in accordance with local, national regulation.

DISCLAIMER

StoneCoat shall not be liable for incidental and consequential damages, directly or indirectly sustained, not for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods.

PREPARATION FINAL APPLICATION

PREPARATION

Surfaces should be clear and clean of any inconsistent particles, dust, oils, mildew, organic matter, salt efflorescence or any other loose material which should hinder proper adhesion to the applied surface.

Highly absorbent substrates such as CMU, unsealed brick and stone, and StoneCoat CARVE as a base must be spray-misted and moistened with clean water. A tank sprayer or a hose nozzle set to shower can be used. Oversaturating the substrate will reduce efficacy and bondability of the StoneCoat product on such a surface.

Non-absorbent substrates, such as some bonding materials, may require additional time for the initial coat to bond and begin curing before adding coats.

EQUIPMENT NEEDED

PPE: dust mask, goggles

Graduated, 5-gallon bucket

Heavy Duty Mixer

Hand Trowel – used for traditional stucco application and techniques.

Hopper Gun – texture gun or mortar hopper to apply product to substrate system or wall

MIXING

StoneCoat CARVE is a pre-mixed product that requires only the addition of water to achieve the application blend.

StoneCoat CARVE requires 5.0 quarts per 50lb bag. Use a graduated, 5-gal bucket to determine water amounts.

Pour water into a 2nd clean bucket. Use one (1) 50 lb. bag of StoneCoat CARVE per bucket. To attain an even mix, pour 3/4 of the dry mix into the water. Use a heavy-duty mixer and paddle to blend the dry mix with the water. This will create a wet slurry mixture. By creating a wet mix, none of the blend should stick to the bucket.

Pour the remaining 1/4 bag contents into the (slurry) mix and mix again with the heavy-duty mixer. Do not mix the dry material all at once. Instead, slowly integrate the dry material by pulling it into the wet mix. This will allow proper mixing and keep the mix from the illusion of it over-drying which can result in over-hydration. Overhydration can reduce efficacy of application.

Let the blend sit for 5 minutes and then remix for 3 more minutes. The mixture should have a spongy, fluid-like texture.

APPLICATION

Consult with StoneCoat for specific recommendations concerning non-traditional wall system applications.

If hopping on, evenly coat the surface all the way through, your thickness will be based on design. Make sure your texture is consistent all the way through. You should see a bumpy texture. If it is splotchy, go back over to get the bumpy texture.

If applying by trowel, use standard practices for application, screeding and leveling, and for achieving desired finishes. Open time for application is 1 hour. Open time for carving is 1-4 hours.

Weather conditions can impact installation procedures. Dryer, more windy conditions may require water infiltration adjustment whereas wet, humid weather can delay dry times and workability. Follow professional installation procedures.

CURING

StoneCoat CARVE will reach 95% hardness in 7 days at which time application of StoneCoat SHIELD sealer is recommended. See installation guide for details.

PROCEDURE

Limestone veneer using trowel, carving tool, and sprayed on via hopper gun using 1,2 and 3 coat systems.

PROJECT CONDITIONS

Cold-Weather Requirements: Provide heat and protection, temporary or permanent, as required to protect work from freezing for at least 48 hours after application. Distribute heat uniformly to prevent concentration of heat on limestone near heat sources; provide deflection or protective screens.

Warm-Weather Requirements: Wet substrate wall before final coat application. Protect work against uneven and excessive evaporation and from strong flows of dry air, both natural and artificial. Apply and cure works as required conditions to prevent dry out during cure period. Provide suitable coverings, moist curing, barriers to deflect sunlight and wind, or combinations of these, as required.

Exterior Work: Apply limestone when ambient temperature is greater than 40-degree F (4.4 deg C) and less than 100 deg F (38 deg C). Protect limestone coats from freezing for not less than 48 hours after set of limestone surface has occurred.

EXAMINATION/EXECUTION

1. Examine areas and substrates, with applicator present, for compliance with requirements and other conditions affecting performance of work.
2. Verify the second moisture barrier is complete, in the proper location, and has been inspected by Contractor, Architect, and authorities having jurisdiction.
3. Proceed with installation only after unsatisfactory conditions have been corrected.
4. StoneCoat Bonding Agent maybe required for some StoneCoat material applications.

GENERAL APPLICATION PROCEDURES

Do not use materials that are frozen, caked, lumpy, dirty, or contaminated by foreign materials. Do not use excessive water in mixing and applying limestone materials.

Hydraulically apply limestone veneer with equipment of sufficient capacity at not less than 120 psi pressure at nozzle. Apply to a nominal thickness as indicated below, and not less than 1/2 inch (12mm) over top of lath at tooled joints.

StoneCoat CARVE®: Scratch coat at not less than 1/8 inch followed by finish coat of not less than 3/8 inch.

Do not apply materials that have been discharged from the mixture for longer than 30 minutes. After initial application, allow surface to set-up sufficiently to allow proper application of texture, coursing, and colorant. Test surface to determine optimal time for application of field-sprayed colorants.

CLEANING AND PROTECTING

Remove temporary covering and other provisions made to minimize spattering of limestone veneer on adjacent work. Promptly remove overspray from door frames, windows, and other surfaces. Repair surfaces stained, marred, or otherwise damaged during work. When

APPLICATION, CONT.

StoneCoat® CARVE



work is completed, remove unused materials, containers, equipment, and debris. Immediately clean tools with water and scrub brush, rinsing with clean water.

MAINTENANCE AND SEALING

After 7 days of curing, StoneCoat CARVE can be sealed with StoneCoat SHIELD. StoneCoat SHIELD can be installed when on exteriors in extreme climate areas subject to higher freeze/thaw cycles, or higher and more constant UV exposure, or higher altitudes, or higher humidity, subtropical and tropical locations. Apply clear sealer with low pressure (20-30 psi) sprayer.

STORAGE

Store materials inside, on pallets under cover and dry, protected from weather, sun, and water to prevent surface contamination, aging, corrosion, or other damage from construction traffic, etc.

SHELF LIFE

Rotate stock. Product has a 12-month shelf life in unopened bags from manufacturer's stamped date.

WARRANTY

StoneCoat warrants products to be free from defects in materials and fabrication for 10 years from date of installation.

StoneCoat® Test Results		
Test Conducted	Standard	Results
Accelerated Weathering	ICC -ES AC11	Pass
Freeze/Thaw Resistance	ICC_ES AC11	Pass
Non Combustibility	ASTM E136-19a	Pass
Transverse Load	ASTM E72-15	Pass
Hurricane Uniform Static Air	TAS 202	Pass
Hurricane Cyclic wind Pressure Loading	TAS 203	Pass

We are a US-based climate tech manufacturer dedicated to producing net zero building materials to advance global carbon neutral initiatives.

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