

Conservare® H100 Consolidation Treatment Masonry Restoration Specification

Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products manufactured by PROSOCO, Inc. and should not be viewed as a complete source of information about the product(s). The Architect should always refer to the Product Data Sheet and MSDS for additional recommendations and for safety information.

Specifier Note: Paragraph below is for PART 1 GENERAL, Quality Assurance.

Test Area

Test a minimum 4 ft. by 4 ft. area on each type of masonry. Use manufacturer's application instructions. Let the test area protective treatment cure before inspection. Keep test panels available for comparison throughout the restoration project.

Specifier Note: Paragraphs below are for PART 2 PRODUCTS, Manufacturers and Products.

Manufacturer: PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255; Fax: (785) 830-9797. E-mail: CustomerCare@prosoco.com

Product Description

Conservare® H100 is a combination consolidation/water repellent treatment. This ethyl silicate treatment, modified with a silane water repellent, replaces the natural binding materials while protecting the treated surface from water-related deterioration.

Conservare® H100 may be used on most types of sandstone, limestone, cast stone, stucco, brick and terra cotta. It is effective on unpolished marble, travertine and limestone that has been treated with Conservare® HCT (Hydroxylating Conversion Treatment).

Typical Technical Data

FORM: Clear, colorless to slight yellow liquid with alcohol odor

SPECIFIC GRAVITY: 0.936

pH: NA

WEIGHT/GALLON: 7.79 pounds

ACTIVE CONTENT: 100 percent

TOTAL SOLIDS: 47 percent ASTM D 5095

FLASH POINT: 110 degrees F (43 degrees C) (ASTM D 3278)

FREEZE POINT: less than -22 degrees F (less than -30 degrees C)

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

VOC CONTENT: greater than 400 grams per Liter. Manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403). May not be suitable for sale in states and districts with more restrictive AIM VOC regulations. Available in regulation-exempt small container sizes.

Limitations

- Effective consolidation requires thorough laboratory and field pretesting. Contact PROSOCO for information on the recommended test programs.
- Limited shelf life - remains storage-stable for 12 months in sealed containers.
- Treated areas may bond to silicone and polyurethane molds (frequently used for casting replacement stone). Use a release agent to prevent mold from adhering to the treated surface.
- Not suitable for some types of unpolished marble. Always test.
- Not suitable for use on polished surfaces, including marble, travertine, limestone or granite.
- Not suitable for architectural concrete block.
- Not suitable for use on polished marble, travertine, limestone or granite.
- Will not prevent water penetration through structural cracks, defects or open joints.
- Not recommended for below-grade application.

Specifier Note: Paragraphs below are for PART 3 EXECUTION, Installation.

Application

Before applying, read “Preparation” and “Safety Information” sections in the Manufacturer’s Product Data Sheet for H100 Consolidation treatment. Do not dilute or alter.

SPECIFIER NOTE: Apply by low-pressure spray, brush or dipping. Larger surfaces should be treated using low-pressure spray equipment, small areas with spray tanks. Mobile objects such as sculptures are best treated indoors by dipping or with the use of compresses.

1. Apply Conservare® H100 in repeated applications referred to as “cycles.” A cycle consists of three successive saturating applications at 5-15 minute intervals. Typical treatments involve two or three cycles (6-9 separate applications).
2. Allow 20 to 60 minutes between cycles. Laboratory testing will determine the optimum delay between applications and cycles.
3. Apply H100 until excess material remains visible on the surface for 60 minutes following the last application.
4. Immediately flush excess surface materials using industrial grade MEK (methyl ethyl ketone) or mineral spirits.

Clean tools and equipment immediately with mineral spirits, denatured alcohol or an equivalent cleaning solvent. Remove overspray and spills as soon as possible.