

SYSTEM 95W

Penetrating Consolidant/Strengthener for Mineral Substrates

DESCRIPTION:

SYSTEM 95W is a penetrating, silicate based, reactive adhesive designed for consolidation and strengthening of many types of natural stone, masonry, concrete and other mineral substrates. When treated with **SYSTEM 95W**, many surfaces weakened by weathering, carbonation or degradation of cementitious components may be able to regain cohesive strength due to formation of potassium silicate binder within the pore structure. With proper pre-testing and application, service life of original building materials may be prolonged.

CONSOLIDANT REQUIREMENTS:

SYSTEM 95W meets all of the performance requirements for mineral substrate consolidants:

- Deep Penetration
- Substantial Increase in Strength of Treated Substrate
- Non-Tacky Surfaces Avoid Dirt Accumulation
- No Affect on Appearance
- No Significant Reduction in Vapor Permeability

PERFORMANCE:

SYSTEM 95W effectiveness in strengthening sandstone is indicated by the compressive strength imparted to disaggregated sands, per Figure 1.

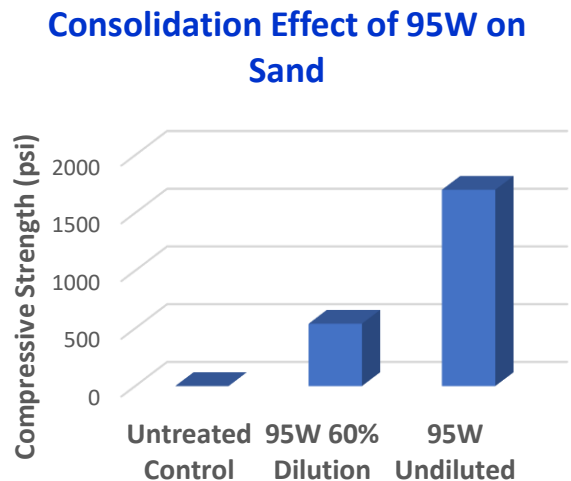


Figure 1: Increase in Compressive Strength of Sands Consolidated with System 95W

COMPATIBLE SUBSTRATES:

- Sandstone
- Limestone
- Concrete & Cast Stone
- Stuccos & Renders
- Mineral Coatings
- Mortars
- Natural Cement
- Lime
- Hydraulic Lime
- Portland Cement

APPLICATION:

Minimum Application Temperature: 50°F (10°C)
Maximum Application Temperature: 86°F (30°C)

Pre-testing of treatment for effectiveness is strongly recommended.

1. **Surface Preparation:** Apply *SYSTEM 95W* to clean, surface-dry concrete, stone or masonry substrates, free of grease, oil, dirt, organic coatings or other materials which may interfere with consolidant penetration, or which may stain upon consolidant contact. **Complete consolidation prior to any repairs.** For best results, use *SYSTEM 95W* consolidant in conjunction with these other Edison products:

- *SYSTEM 44, Custom SYSTEM 45, Rosendale 13P, or Deck-Top 47* patching compounds.
- *Pump-X53-Series* or *Rosendale & Translantic 11Gi* injection grouts
- *CEM-PLAST 54* or *Rosendale & Translantic 14S* stuccos
- *SPEC-JOINT 46* or *Rosendale & Translantic 12M* repointing mortar

2. **Application:** *SYSTEM 95W* is generally applied in 1-4 coats. Airless spray is the preferred method of application, but material may also be applied by brush or roller if care is taken to apply evenly. Begin by applying consolidant as heavily as possible, saturating the surface, but avoiding excessive rundown. If material is absorbed within 1 minute, apply another wet-on-wet pass. On porous/low strength surfaces requiring multiple applications, allow drying between coats, but reapply next coat within 4 hours.

Typical Coverage Rates:

50-200 sq. ft./gal., depending on porosity.

On vertical surfaces, the product should be applied in such a manner as to saturate the surface without creating a heavy rundown. For best results, work from the bottom up.

On horizontal surfaces, apply sufficient material so that consolidant “stands” for several minutes before being fully absorbed.

Avoid leaving excess material on the surface, which may affect surface appearance. Wipe off excess consolidant before complete drying using water dampened cloth.

3. **Temperature Limits & Curing:** *SYSTEM 95W* consolidants generally develop water resistance within 12 hours after drying, and generally require no special protection or curing thereafter.

Do not apply when rain is anticipated within 12 hours of application, and protect, if necessary, during that 12-hour cure period.

4. **Compatibility:** *SYSTEM 95W* may frost or spot glass, aluminum, ferrous metals and some coatings. Do not apply without protecting surfaces or materials which may be damaged by contact.

5. **Safety & Handling:** Carefully read and observe all safety and handling guidelines as detailed in the Material Safety Data Sheets supplied with this product.



Revised: 05/2020

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