

**SECTION 04 01 20.52 – UNIT MASONRY CLEANING**  
**SECTION 04 01 20.91 – UNIT MASONRY RESTORATION****PART 1: GENERAL****1.01 Scope of Standard**

- A. This standard provides general guidance concerning the specific preferences of the Texas State University for materials, equipment, and services for the cleaning and restoration of masonry.
- B. Texas State University recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for Texas State University projects.

**1.02 Reference Standards**

- A. Finishes: Section 09 90 00, Painting and Coating
- B. The Secretary of the U.S. Department of the Interior's Standards for Rehabilitation.
- C. Conservation of Building and Decorative Stone, 2 vols., John Ashurst.
- D. Clear Water Repellent Treatments for Concrete Masonry, Masonry Institute of America.
- E. Practical Building Conservation, 4 vols., John Asbury.

**1.03 General Requirements**

- A. Masonry cleaning:
  - 1. Cleaning shall be limited to the gentlest means possible.
  - 2. Test areas in inconspicuous locations.
  - 3. Tests must be approved by Texas State University Project Representative.
  - 4. Low pressure washes no greater than 400 psi unless authorized by Texas State University-San Marcos Project Representative.

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5. In no instance shall sandblasting be acceptable.
  6. Compliance with the Office of Environmental Health and Safety is required. See 3.01A below.
- B. Masonry restoration: Historic buildings' grout re-pointing shall comply with the Texas State University campus historic restoration recommendations. Extreme care shall be taken during the repointing process. Use of hand tools is required.

**PART 2: PRODUCTS****2.01 Sealants**

- A. General
1. Sealer: After cleaning or restoration, provide the following sealer. "ENVIROSEAL DOUBLE 7" clear penetrating water based sealer, formulated not to yellow and not be affected by UV, manufactured by Hydrozo, Inc. /Lincoln, Nebraska.
    - a. The sealer is with stand a hydrostatic pressure of 40 psi.

**PART 3: EXECUTION****3.01 Discharges**

- A. Discharges from pressure washing shall not be allowed to enter a storm sewer or waterway. Vacuum the water for disposal off-site or berm the process water and allow it to evaporate. If the rinseate only contains water and dirt or sediment, it may be spread on the ground only with written prior permission from the Texas State University Office of Environmental Health and Safety.

END OF SECTION 04 01 20.52 & 04 01 20.91