

SECTION 04930 – MASONRY RESTORATION and CLEANING
CONSTRUCTION STANDARD

PART 1: GENERAL

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of the University of Texas at Austin for materials, equipment, and services for the cleaning and restoration of masonry.
- B. UT 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 UT projects.

1.02 Reference Standards

- A. Expansion joints in masonry: Section 07940, JOINTING OF EXTERIOR VERTICAL SURFACES.
- B. Finishes: Section 09950, COATINGS AND PAINT SYSTEMS.
- C. The Secretary of the U.S. Department of the Interior's Standards for Rehabilitation.
- D. Conservation of Building and Decorative Stone, 2 vols., John Ashurst.
- E. Clear Water Repellent Treatments for Concrete Masonry, Masonry Institute of America.
- F. Practical Building Conservation, 4 vols., John Asbury.

1.03 Quality Control

- A. Masonry resurfacing: As the UT-Austin campus is a historic district, in no instance shall it be acceptable to paint masonry surfaces.

1.04 General Requirements

- A. Masonry cleaning: Cleaning shall be limited to the gentlest means possible. Test areas in inconspicuous locations. Tests must be approved by University project representative. Low pressure wash no greater than 400 psi unless authorized by University project representative. In no instance shall sandblasting be acceptable. Compliance with the Office of Environmental Health and Safety is required. See 3.01A below.

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- B. Masonry restoration: Historic buildings' grout re-pointing shall comply with the UT-Austin 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. Sealant: If use of a water repellent sealer is proposed, the sealant shall be a "breathable" type, and shall be approved by UT project representative and the Texas Historical Commission. Use Water based materials when possible.

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 rinsate only contains water and dirt or sediment, it may be spread on the ground only with written prior permission from the University of Texas at Austin Office of Environmental Environmental Health and Safety.

END OF STANDARD 04930