

Historic Preservation Office Masonry Cleaning Procedures

Cleaning Materials and Products:

Water: Clean, free of oils, acids, alkalis and organic matter.

Brushes: Densely packed natural fiber bristle only.

<u>Spray Equipment</u>: Fan type nozzle with 15 to 40 degrees Fahrenheit fan range. Water pressure not to exceed 400-600 PSI (pounds per square inch).

<u>Detergent</u>: <u>Neutral pH non-ionic detergent or light bleach solution only</u>.

Cleaning Existing Masonry, General:

<u>Proceed with cleaning</u> in an orderly manner; work from top to bottom of each scaffold width and from one end of each elevation to the other.

<u>Use only those cleaning methods</u> indicated for each masonry material and location.

<u>Perform cleaning method</u> indicated in a manner, which results in uniform coverage of all surfaces, including corners, moldings, interstices and which produces an even effect without streaking or damage to masonry surfaces.

Removal of Plant Growth: Remove plant, moss, and shrub growth completely from masonry surfaces. Carefully remove plants, creepers and vegetation by cutting at roots and allowing to dry as long as possible prior to removal. Remove loose soil or debris from open masonry joints to whatever depth it occurs. Apply ammonium sulfamate or other acceptable root killing material to plant roots, in accordance with manufacturer's instructions. Do not apply materials to plants or vegetation to remain.

Water Application Method:

<u>Clean masonry surfaces</u> using lowest water pressure possible to remove dirt and fungal growth, <u>not to exceed 400 PSI.</u>

Rinse

<u>Protect flashings</u>, windows, doors and other vulnerable points from water penetration using appropriate pressure and angle of application.

Remove dirt, fungal growth and other discoloration using a natural bristle brush and neutral pH non-ionic detergent and/or bleach mixed to manufacturer's specifications.

<u>Rinse</u> surfaces thoroughly with clean water to insure that all chemicals have been removed.

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