

Pressurized Water Cleaning of Concrete and Cementitious Materials— Light Cleaning

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AMPP values your input. To provide feedback on this standard, please contact: standards@ampp.org

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Foreword

This standard is intended for use by coating or lining specifiers, applicators, inspectors, or others who require the use of pressurized water cleaning technology to achieve a defined level of visual cleanliness of concrete surfaces. This standard contains requirements for Light Cleaning. Requirements for Thorough Cleaning are addressed in a separate standard. The differences between Thorough and Light Cleaning levels are summarized below:

Cleaning Level	Material Removed	Condition of Surface Voids (Following Cleaning)
Thorough Cleaning by Pressurized Water	All coatings and other visible deposits of contamination	Surface voids are thoroughly opened
Light Cleaning by Pressurized Water	All loosely adherent deleterious materials will be removed, but tightly adherent coatings may remain on surface	Surface voids are not necessarily opened

Scope

This standard includes procedures for using pressurized water to remove loosely adhered surface contaminants. It contains requirements for the cleaning process, for the end condition of a lightly cleaned concrete surface, and for verification of the end condition. The standard does not address removal of water-insoluble contamination; assessment of concrete soundness and pH; repair of the substrate and exposed reinforcing steel; or required surface profile (see Paragraphs A1, A2, and A3 of Appendix A [nonmandatory]). Light cleaning by pressurized water will not create a concrete surface profile, it will only expose existing profile. SSPC-SP 13/NACE No. 6 contains additional information on these topics.

Rationale

Before the publication of this standard, the concrete coating industry lacked standards that define the end condition of concrete surfaces cleaned using pressurized water.

Referenced Standards and Other Consensus Documents

Unless specifically dated, the latest edition, revision, or amendment of the documents listed in the table below shall apply.

AMPP/NACE/SSPC, www.ampp.org

AMPP SP21513	Procedure for Determining Conformance to Concrete Surface Profile Requirements
SSPC-SP 13/NACE No. 6	Surface Preparation of Concrete
SSPC-PA 7	Applying Thin Film Coatings to Concrete
SSPC-PA 14	Application of Thick Film Polyurea and Polyurethane Coatings to Concrete and Steel Using Plural-Component Equipment
NACE/ASTM G103	Standard Terminology and Acronyms Relating to Corrosion
SSPC-TR 5/ICF Guideline 710.1/NACE Publication 02203	Design, Installation, and Maintenance of Protective Polymer Flooring Systems for Concrete

ASTM International, www.astm.org

IEEE/ASTM SI 10	American National Standard for Metric Practice
ASTM D4258	Standard Practice for Surface Cleaning of Concrete for Coating