



NACE No. 6/SSPC-SP 13 Item No. 21082 Revised 2018-05-15 Reaffirmed 2003-03-17 Approved 1997

NACE No. 6/SSPC-SP 13, Surface Preparation of Concrete

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ABSTRACT

This NACE International/SSPC joint standard practice covers the preparation of concrete surfaces before the application of protective coating or lining systems. The standard includes two updated tables, Table 1 details classes of surface preparation, and Table 2 provides minimum acceptance criteria for concrete surfaces before coatings are applied and relevant test methods. The updated Appendix (nonmandatory) includes two additional tables, Table A1 provides typical surface properties of finished concrete, and Table A2 provides an extensive list of surface preparation methods for concrete surfaces. This standard should be used by specifiers, applicators, inspectors, and others who are responsible for defining a standard degree of cleanliness, strength, profile, and dryness of prepared concrete surfaces.

KEYWORDS

abrasive blasting, acid etching, cementitious repair, coating adhesion, coatings, concrete, lining systems, NACE No. 6, protective coating systems, surface preparation, spalling, surface profile, tensile strength, TG 417, vacuum cleaning, waterjetting

NACE International 15835 Park Ten Place Houston, TX 77084-5145 +1 281-228-6200 SSPC: The Society for Protective Coatings 800 Trumbull Drive Pittsburgh PA 15205 +1 412-281-2331

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Foreword

In NACE/SSPC standards, the terms "shall," "must," "should," and "may" are used in accordance with Paragraph 2.2.1.8 of the Agreement between NACE International and SSPC: The Society for Protective Coatings. The terms "shall" and "must" are used to state mandatory requirements. The term "should" is used to state something considered good and is recommended but is not mandatory. The term "may" is used to state something considered optional.

This NACE International/SSPC Joint standard covers the preparation of concrete surfaces before the application of protective coating or lining systems. This standard should be used by specifiers, applicators, inspectors, and others who are responsible for defining a standard degree of cleanliness, strength, profile, and dryness of prepared concrete surfaces.

This standard was originally prepared in 1997 by NACE/SSPC Joint Task Group (TG) F, "Surface Preparation of Concrete." It was reaffirmed in 2003 by NACE Specific Technology Group (STG) 04, "Coatings and Linings, Protective—Surface Preparation," and SSPC Group Committee C.2, "Surface Preparation." It was revised in 2018 by TG 417 (formerly Task Group F). This standard is issued by NACE under the auspices of STG 04, and by SSPC Group Committee C.7.7.

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