



SSPC 2017 Standards Update NSRP SP&C Panel

Seattle WA

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Michael Damiano

SSPC Director of Technical Services

Topics

- Clarification to WJ standards
- Guide 22, Use and Retention of Pre-Construction Primers on Steel in Shipbuilding
- 2017 Revisions to SSPC SP 2 and SP 3
- Periodic Review of SSPC-SP 11 and 15 starts 2018
- Guide to Number and Location of Salt Tests on New Steel
- Proposed new standard for non-profiling dry SP methods (laser and ice blast)
- PA 2 appendix for scanning technology

Clarification in WJ Standards

- Section 1.1.2 has been deleted from all 4 WJ standards:
 - *“Within the hierarchy of degrees of surface cleanliness achieved by waterjet cleaning, Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE No. 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface”*

Reasons for Deletion

- SP 10/NACE No. 2 **does not** allow tightly adherent material to remain on the surface; WJ 2 permits it to remain
- WJ cleaning **does not** require or create a surface profile; SP 10/NACE No 2 requires surface profile to be IAW with project or coating mfr requirements

So how can they be “similar”?

New Guide 22 – “Use and Retention of Pre-Construction Primers on Steel in Shipbuilding”

- Issued December 2016
- Provides specifiers and users with info about use of PCPs
 - When to use and retain
 - Types of PCPs
 - PCP application and inspection
 - Secondary surface prep processes used when PCPs will be retained in final coating system

2017 Revisions - Both SP 2 & 3

- Reorganized based on 2013 content of SP 11 and 15
- Added definition of “dull putty knife” (including flexibility requirement)
- Added clarification that cleaned surfaces must be free of visible deposits of oil and grease
- Added non-mandatory note regarding removal of stratified rust, pack rust, and mill scale
- Removed requirement for feathering of intact coating (now in non-mandatory notes)

Dull Putty Knife Definition

- Straight, flexible metal blade
- Can be bent around curved surface 11 to 13 inches in diameter and return to original shape
- 3 to 5 inches long, straight working edge 1-1/2 to 3 inches wide
- Thickness at working edge >25 mils or 75% of original thickness, whichever is greater

Notes on Putty Knife Use for Testing

- Hold working edge of blade flat to surface
- Hold blade at 45-degree angle
- Do not dig at residue with corner of blade
- Do not use if working edge is damaged (nicked, gouged, or has dry paint on it)

2017 Revisions SP 2 Only

- Added clarification that multiple tools may be required to achieve an SP 2 surface
- Added note suggesting preparation of a project field standard to determine visual compliance with SSPC-SP 2

2017 Revisions SP 3 Only

- Added non-mandatory notes regarding Selection of Tools and Media (as in SP 11 and SP 15)
- Added non-mandatory note regarding cleaning of areas of limited access and use of alternative cleaning methods

Guide for Salt Testing on New Steel (Expected 2018)

- Guide for number and siting of test sites on various steel shapes (I-beam, pipe, assembled components)
- Includes recommendations for minimum number of tests as well as suggested test locations
- DOES NOT contain recommendations for salt levels!!
- Committee consensus review completed, final approval by SRC and Board next
- Expect publication in first quarter of 2018

Revision Projects Beginning 2018

- SP 11 and SP 15 5-year periodic review
- Revision of SSPC-PA 17 Profile
- Revision of SSPC-PA 2 to add scanning probe appendix
- Revision of Joint Dry Blast Cleaning Standards

Revision SSPC-PA 17 (Profile)

- Obtaining profile readings on pitted steel surfaces
 - Address in new appendix to SSPC-PA 17 Compliance w/Profile Requirements (nonmandatory-unless-invoked)
 - Ballot revised draft early October

Pitted, Irregular Steel



Proposed Revision to SSPC-PA 2

- Scanning probe to measure DFT
 - New appendix to SSPC-PA 2 (nonmandatory-unless-invoked)
 - Draft should be ready by end of September '17

Possible New Projects 2018

- Proposed standard for non-profiling dry SP methods (laser and ice blast)
 - No secondary waste stream created – only residue of existing coating remains

Possible New Projects 2018

- Possible revisions to SP 11 and 15 to address power tool cleaning of aluminum
- Make 009-32 DFT edge measurement requirements consistent with Appendix 6 of SSPC-PA 2?

Thanks for your attention!

QUESTIONS????