

5630000 ANTI-GRAFFITI COATINGS.
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Rudy Powell
414-4280

Comments: (10-10-11)

(1) 563-3.1 General:

~~Apply an anti-graffiti coatings or coating system as specified in the Contract Documents in accordance with manufacturer's recommendations and as specified herein, when the ambient temperature is between 40° and 90°F, and the substrate face temperature is between 50° and 85°F and rising.~~

~~Ensure all concrete has cured a minimum of 30 days before applying anti-graffiti coatings and that no moisture is present when tested in compliance with ASTM D 4263.~~

~~Do not apply coatings when precipitation has occurred within 12 hours prior to starting the application or is expected to occur within 12 hours after of the completion of the application or when the relative humidity is above 88%.~~

Is the highlighted text necessary? We say to apply in accordance with the manufacturer's recommendations and then give the requirements.

Response: I think we should change the text to: "The manufacture's published technical product data sheet." This is consistent with sections 560 and 561. With this change, I agree that the other language can be removed.

From the Specs Office: The highlighted text was deleted and "recommendations" was replaced by "product data sheet" to be consistent with the language in 560 and 561. Change made

(2) 563-2 Protection of Adjacent Surfaces: (second paragraph)

~~Protect all surfaces not intended to be coated, which are adjacent to, or in close proximity to the surfaces to be coated, during the application of anti-graffiti coating. Clean surfaces that are to be coated, as per the manufacturer's recommendation published technical data sheet. Use all necessary precautions to prevent materials from cleaning and anti-graffiti coating operations being dispersed outside the work site.~~

The intent of the highlighted text is also in 563-2.3 Surface Preparation, and is a more appropriate place for the instruction. Also, why not just say "technical data sheet?"

Response: We want something published and available so that the manufacturer is not changing the requirements from job to job by changing their data sheet or recommendation. We have seen this in the past and by requiring that the document be published gives a little ground to stand on. This should really state, "published technical product data sheet."

From the Specs Office: See response to (1) above.

Karen Byram
414-4353

Comments: (10-13-11)

1. What is the justification for another pay item for water cleanable? All anti-graffiti coatings must be removable or cleanable by non-proprietary solvents and that includes water. Water Cleanable materials are not defined with any difference from other anti graffiti sacrificial coatings in either 563 or 975.

Response: “Water cleanable” coatings have been added to non-sacrificial coatings, so the pay item is no longer needed and will be deleted. Change made.

2. Delete highlighted text. This sentence has been a major problem. Contractors and manufacturer’s have misinterpreted this to mean any substrate including coatings. An alternative to eliminating this sentence is to clarify that this refers to the “base” substrate.

563-2 Materials.

Use anti-graffiti coating products meeting the requirements of Section 975 ~~that are recommended for the substrate by the manufacturer~~ and listed on the Department’s Qualified Products List (QPL). Do not use water-cleanable or sacrificial coatings on steel structures.

Response: Word “base” has been added for clarity. Change made.

3. Change “product data sheet” to “instructions”. This is semantics. Application is according to instructions, which are included on the product data sheet.

563-23.1 General: Apply ~~an anti-graffiti coatings or coating system as specified in the Contract Documents~~ in accordance with *the* manufacturer’s ~~product data sheet~~ *instructions*.....

Response: See response to comment #1 from Rudy Powell. No change made.

4. Delete **563-3.2 Protection of Adjacent Surfaces:** and renumber subsequent Subarticles. This information is covered generally in 7-11 Preservation of Property.

~~**563-23.2 Protection of Adjacent Surfaces:** Consider wind direction, velocity and geographic location as having a major impact on all cleaning and anti-graffiti coating operations. Use all necessary precautions to prevent cleaning and anti-graffiti coating materials from being dispersed outside the work site. If conditions are such that material is dispersed to areas where vehicles or other property may be damaged, suspend operations until conditions improve enough to permit and work can continue without damage affecting adjacent property.~~

~~Protect all surfaces not intended to be coated, which are adjacent to, or in close proximity to the surfaces to be coated, during the application of anti-graffiti coating. Clean surfaces that are to be coated, as per the manufacturer’s recommendation published technical product data sheet. Use all necessary precautions to prevent materials from cleaning and anti-graffiti coating operations being dispersed outside the work site.~~

Response: If the specifications office feels this language is redundant (Section 7-11) and that there is no value to retaining it, then remove it. However, this language is consistent with Section 560.

From the Specs Office: No change made.

5. Delete/Add highlighted text. This is semantics. Preparation of surface is according to instructions, which are included on the product data sheet.

563-23.3 Surface Preparation: *Remove all graffiti from the substrate. Prior to applying any anti-graffiti coatings, P*prepare all surfaces to be coated in accordance with ~~560-15 and~~ *ASTM D 4261 or ASTM D 4258 and the manufacturer’s recommendation* ~~published technical product data sheet~~ *instructions*. ~~for the following requirements:~~

Response: See response to comment #1 from Rudy Powell. No change made.

5. Change 30 days to 7 days. ASTM D-5064 identifies the minimum as 7 days. Anti-graffiti coatings do not take 30 days to cure, and longer cure times will not be followed in the field. Also, add highlighted text for clarification of defects.

563-23.3 Surface Preparation: *Remove all graffiti from the substrate. Prior to applying any anti-graffiti coatings, prepare all surfaces to be coated in accordance with ~~560-15 and~~ ASTM D 4261 or ASTM D 4258 and the manufacturer's ~~recommendation~~ published technical product data sheet instructions. for the following requirements:*

~~Surface Cleaning Concrete Unit Masonry for Coating ASTM D 4261~~

~~or~~

~~Surface Cleaning Concrete for Coating—ASTM D 4258~~

~~Testing pH of cleaned concrete surface—ASTM D 4262~~

~~Moisture in concrete—ASTM D 4263~~

When the anti-graffiti coating or coating system is to be applied over an existing coating, ~~conduct~~ apply a test patch (minimum area of 4 square feet) in accordance with ~~this Section 560-15~~. Allow the test patch to cure a minimum of ~~307~~ days without any defects ~~such as blistering, cracking, peeling and loss of adhesion~~.

Response: Agree with your comment about cure time; time will be changed to 7 days. Change made.

6. Delete: Pay Item No. 563-5 Anti Graffiti Coating, Water Cleanable – per square foot.

Response: “Water cleanable” coatings have been added to non-sacrificial coatings, so the pay item is no longer needed. Change made.

Pat McCann
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Comments: (11-9-11)

563-3.3 Surface Preparation, last paragraph states:

When the anti-graffiti coating or coating system is to be applied over an existing coating, ~~conduct~~ apply a test patch (minimum area of 4 square feet) in accordance with ~~this Section 560-15~~. Allow the test patch to cure a minimum of 30 days without any defects.

This spec implies they will do a test patch and wait 30 days before continuing with this item. Please add a statement that no time extension will be granted as a result of this test requirement. Since this change deletes text that references Sacrificial and Non-Sacrificial coating, should the reference to these pay items be deleted as well?

Response: See response to #5 above. Cure time will be changed to 7 days and text will be added to state no time extension will be granted. Change made.

Also, 563-2 Materials states to use products meeting the requirements of Section 975 that are recommended for the base substrate to be coated, so the pay items will remain. No change made.
