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Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide, MasterFormat, SectionFormat, and PageFormat.*

This Section must be carefully reviewed and edited by the Architect to meet the requirements of the Project and local building code. Coordinate this Section with Conditions of the Contract, Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2016 Edition.*

SECTION 32 05 43

POST BACKFILL FOR EXTERIOR IMPROVEMENTS

Specifier Notes: This Section covers Royal Adhesives & Sealants Canada Ltd. "Fast Post Anchor" / "Fast 2K". (Two names for the same product.) The two-component, polymer, closed-cell foam expands when mixed to fill the peripheral voids between fence posts and post holes. Consult Royal Adhesives & Sealants Canada Ltd. for assistance in editing this Section as required for the Project.

PART 1 GENERAL

1.1 SECTION INCLUDES

Specifier Notes: "Fast Post Anchor" / "Fast 2K" can be used for setting many types of posts and for anchoring items into the ground. List the items the material will be used for. The most common use is for setting fence posts.

- A. Fence post backfill.
- B. _____.

C. _____.

1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

A. Section 32 31 00 – Fences and Gates.

B. Section _____ – _____.

C. Section _____ – _____.

1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles. Delete reference standards from the following list not used in the edited Section.

- A. International Organization for Standardization (ISO) (www.iso.org):
1. ISO 9001:2008 – Quality management systems – Requirements.

1.4 SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

- A. Submittals: Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including use instructions.
- C. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
1. Manufacturer regularly engaged in the manufacturing of fence post backfill of similar type to that specified for a minimum of 10 years.
 2. ISO 9001:2008 certified company.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:

1. Store and handle materials in accordance with manufacturer's instructions.
2. Keep materials in manufacturer's original, unopened containers and packaging until use.
3. Store materials in clean, dry area.
4. Do not store materials directly on ground.
5. Store materials at 60 to 95 degrees F (15 to 35 degrees C) for a minimum of 1 hour before using.
6. Store materials out of direct sunlight.
7. Keep materials from freezing.
8. Protect materials during storage, handling, and use to prevent contamination or damage.

1.7 AMBIENT CONDITIONS

- A. Do not use fence post backfill under ambient conditions outside manufacturer's limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Royal Adhesives & Sealants Canada Ltd., 266 Humberline Drive, Toronto, Ontario M9W 5X1 Canada. Phone 416-679-5676. Fax 416-679-0511.
www.fastpostanchor.com / www.fast2k.com / www.royaladhesives.com. fence@rascp.com.

Specifier Notes: Specify if substitutions will be permitted.

- B. Substitutions: [Not permitted] [Comply with Division 01].
- C. Single Source: Provide materials from single manufacturer.

2.2 MATERIALS

- A. Fence Post Backfill: "Fast Post Anchor" / "Fast 2K". (Two names for the same product.)
 1. Two-component, polymer, closed-cell foam that expands when mixed to fill peripheral voids between fence posts and post holes.
 2. Expands immediately after mixing.
 3. Pours into post holes as liquid.
 4. Hydrophobic.
 5. Waterproof when fully cured.
 6. Does not support bacterial or fungus growth.
 7. Not for load-bearing applications.
- B. Material Properties, 77 degrees F (25 degrees C):
 1. Color, Mixed: Light gray.
 2. Mix Time: 30 seconds.
 3. Set Time: 3 to 5 minutes.
 4. Full Strength: 30 minutes.
 5. Weather Resistance to Cold and Hot: Excellent.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine post holes to receive fence post backfill.
- B. Verify post hole depth and diameter are in accordance with manufacturer's instructions.
- C. Notify Architect of conditions that would adversely affect use.
- D. Do not begin use until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Use fence post backfill in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Do not use fence post backfill for load-bearing applications.
- C. Ensure there is no standing water in post holes.
- D. Set and brace or hold posts plumb inside post holes before use of fence post backfill.
- E. Mix contents of fence post backfill bag and pour into post holes in accordance with manufacturer's instructions.

Specifier Notes: Edit the following sentence as required for the Project. Provide the section number for the section specifying the posts to be installed using the fence post backfill.

- F. Install [fence posts] [_____] as specified in Section _____.

3.3 CLEANING

- A. Clean fence post backfill promptly after use from posts and other surfaces visible above ground in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that could damage post or other surface finishes.

3.4 PROTECTION

- A. Protect Work of this Section from damage during construction.

END OF SECTION