

de neef Construction Chemicals, Inc.

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Section 03250: **Expanding Rubber Waterstop**

Part I: General

1.01 Work Included

a. Provide De Neef Swellseal Waterstop where shown or specified for the purpose of sealing permanent cold and construction joints between structural elements against the penetrations of water from wet-face of structure under medium or high hydrostatic pressure. Also for the purpose of leak localization and/or the protection of migratory water between horizontal floor and deck slabs, or loose laid waterproofing membranes under low hydrostatic pressure.

b. Related work specified elsewhere

1. Concrete: Section 03300 – Swellseal is compatible with all curing or release agents; all pH factors; no cure or temperature restrictions.
2. Waterproofing: Section 07100.

1.02 Submittals

a. Comply with pertinent provisions of Section 01340.

b. Product Data: Within 15 calendar days after the contractor has received the owners notice to proceed, submit:

1. Materials list of items proposed to be provided under this section.
2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements.
3. Show drawings in sufficient detail to show fabrication, installation, anchorage, and interface of the work of this section with the work of adjacent work.
4. Manufacturer's recommended installation procedures which, when approved by the architect, will become the basis for accepting or rejecting actual installation procedures used on the work.

1.03 Quality Assurance

Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of the section.

1.04 Delivery, Storage, Handling

a. Delivery & storage:

1. Deliver materials to job site in manufacturer's unpacked containers with all labels intact and legible at time of use.
2. Maintain products in a dry condition during delivery, storage, handling, installation and concealment.

b. Comply with pertinent provisions of Section 01620.

Part II: Products

2.01 Materials

a. Provide Swellseal #8, Swellseal Joint, and Swellseal Cartridge and accessories as available from De Neef Construction Chemicals, Inc.

b. The product shall have the minimum performance standard of:

| <i>Property</i> | <i>ASTM</i> | <i>Results</i> |
|-----------------|-------------|---------------------------------|
| Expansion | N/A | S/S #8 – 8 x S/S Joint – 2 x |

| | | |
|----------------|------------------------|---------------------|
| | | S/S Cartridge – 2 x |
| Elongation (%) | D 412 | 600 |
| Hardness (Hs) | D 2240 Duror type A | 40 |

Part III: Execution

3.01 Surface Conditioning

Examine the areas and conditions under which work on this section will be performed. Incorrect conditions will be detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

3.02 Coordinating

a. Coordinate as required with other trades to assure proper and adequate provision in the work of those trades for interface with the work at this section.

Part IV: Installation

Preliminary surface treatment

Prior to installation of Swellseal #8 or Swellseal Joint product, the surface must be evened, dry, clean and free of oil, dust and laitance. On uneven surfaces, it is recommended to work with an injection tube; see technical data sheet – Injecto tube. The surface of the joint should be completely dry; when necessary a hot air blower should be used. Excess humidity will cause a lack of bonding and even release of the strip during application.

Application of Swellseal Product

Swellseal 8 & Swellseal Joint may be glued to surface using Swellseal Cartridge. The glue is applied both on the concrete and the Swellseal 8 or Swellseal Joint surface. Allow the glue to become tacky to the touch in order to obtain maximum adhesion and ease in application.

Installation

Swellseal 8 or Swellseal Joint is applied with the even side towards the existing concrete surface and is then pressed into the tacky glue. The Swellseal is placed in the middle of the joint, between the inner and outer reinforcement bars. The minimum concrete coverage over the Swellseal product must be 6" in order for the concrete to counterbalance the expansion pressure of the product. The Swellseal product ends are simply butted together. A good and uniform adhesion of the strip to the concrete surface is of the utmost importance.