

SECTION 07190 – MASONRY SEALANTS

07190.0100 GENERAL

1. The work under this section is subject to all applicable provisions of the "Bidding Requirements", the "Conditions of the Contract", "Contract Forms" and Division 1 - "General Requirements", which form a part hereof whether attached hereto or not.

07190.0200 WORK INCLUDED

1. Include all labor, materials and appliances and perform all operations in connection with the installation of caulking and all related work, complete, in strict accordance with the Contract Drawings and as specified herein or reasonably implied.
 - a. Seal all exterior masonry and precast with TAMMS CHEMSTOP WB HEAVY DUTY WATER REPELLENT

07190.0300 DELIVERY AND STORAGE

1. Deliver, store and handle materials in a manner to prevent the inclusion of foreign materials and damage. Deliver and store packaged materials in original sealed containers until ready for use. Deliver materials in ample time to facilitate inspection and test.

07190.0400 SAMPLES

1. Submit the following samples of material for approval, in accordance with the requirements of the Supplementary General Conditions:
 - a. Field apply 24" x 24" sample for review

07190.0500 MATERIALS

1. CHEMSTOP WB HD is water based, oligomeric siloxane/silane, ready to use deep penetrating water repellent. CHEMSTOP WB HD is colorless when dry, non-staining, non-yellowing, and non-film sealer used for protecting concrete and masonry surfaces without altering the appearance or the texture of the treated surface. CHEMSTOP WB is breathable, non-flammable and complies with current federal AIM VOC regulations.
2. USES: CHEMSTOP WB HD repellent is used above grade on vertical surfaces to minimize water penetration, reduce efflorescence, and aid in minimizing spalling due to freeze-thaw cycles. It also protects against ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain, and most other atmospheric chemicals.

07190.0600 APPLICATION

1. General: Apply in accordance with the manufacturer's instructions as approved by the Architect and as herein specified.
2. Preparatory work:
 1. SURFACE PREPARATION: Cure new concrete 28 days before application. Surface must be structurally sound, clean, dry, free of dust, dirt, paint, efflorescence, laitance, and other contaminants that will prevent the proper penetration of CHEMSTOP WB. Prior to application joints or cracks must be properly sealed or filled. If acid is used for cleaning, neutralize completely before CHEMSTOP WB application. A dry substrate allows better penetration of the sealer.
 2. APPLICATION TECHNIQUES: Low pressure airless spray equipment is the method of application. Application should be from the bottom up to ensure uniform product distribution. Apply a saturation coat with a 6-8” controlled rundown. Two saturation coats of CHEMSTOP WB HD shall be required, applied using a “wet on wet” technique. Apply a test patch to evaluate surface appearance and effectiveness of the coverage rate.
 3. CLEAN-UP INSTRUCTIONS: Clean drips, runs, and overspray residue while still wet, using detergent and water. CHEMSTOP WB will not etch common glass and spills and overspray onto glass can be easily removed with a damp cloth. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.
