

SECTION 07000-MOISTURE PROTECTION

1. GENERAL:

All work included under this heading shall be subject to the General Conditions of the entire operation. The Contractor for this portion of the work is required, especially to refer thereto.

2. WORK INCLUDED:

This section of the specifications is intended to cover the furnishing of all labor and materials required in the connection with underfloor dampproofing, sealing and moisture protection for brick and sealant.

2.1 Brick Sealants.

2.2 Sealants.

3. WATERPROOFING & SEALING BRICK:

3.1 Waterproof all new exposed brick with one (1) full coat clear masonry repellent "Double 7" as manufactured by Hydrozo. Installation shall be strictly by manufacture's recommendations. Sealer must be delivered to the Jobsite in factory sealed, unopened containers.

3.2 Waterproof all new exposed precast with one (1) full coat clear masonry repellent Hydrozo Clear 40 VOC as manufactured by Hydrozo. Installation shall be strictly by manufacture's recommendations. Sealer must be delivered to the Jobsite in factory sealed, unopened containers.

3.2.1 New concrete and brick surfaces shall be cleaned to have all laitance, construction dust and cured materials removed prior to application.

3.2.2 Caulking and sealant shall be done prior or following to or following the application of the sealer. Sealant must be fully cured prior to application.

3.2.3 Perform a test panel (minimum 5' x 5') before general application to ensure desired results, coverage rates and to verify application technique. All 5-7 days for the product to fully react before evaluating.

3.2.4 Stir material well prior to and periodically during application. Use a barrel stirring attachment or a power drill or a recirculating pump for mixing. Rolling of the container is not sufficient.

3.2.5 Surface air and material temperatures should be 20° F to 95° F during application. Do not apply Hydrozo® Clear 40 VOC when temperatures are expected to fall below 20° F within 12 hours. It is recommended to avoid rain for 4 hours following the application. Hydrozo® Clear 40 VOC may be applied to slightly damp surfaces.

3.2.6 Apply from the bottom up for uniform distribution of the sealer. Apply to saturation, with a controlled rundown of 8" (20cm). In certain cases, a mist coat before general application will help break the surface tension and assure maximum penetration of saturation coat.

3.3 NO diluting of sealer.

3.3.1 Roofing materials or plastic products, shrubbery and plant life should be protected from overspray.

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- 3.3.2 Caution should be taken with specialty coated glass. Small areas should be tested prior to application to ensure the product does not discolor the coating. Plastic windows will turn opaque when sprayed with this product.
 - 3.3.3 Variations in the texture and porosity of the substrate will affect the coverage, appearance and performance of the product.
 - 3.3.4 Do not apply during inclement weather or when inclement weather is anticipated within 12 hours.
 - 3.3.5 Proper application is the responsibility of the user. Field visits by ChemRex, Inc., personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.
 - 3.4 A Representative from Hydrozo shall be present at the beginning of the application. This is to ensure the application is in the accordance with the manufacture's recommendations.
 - 3.4.1 Clean equipment with mineral spirits or xylene.
5. **SEALANTS:**
- 5.1 Materials:
 - A. Thiokol Primer:
Thiokol primer shall be as recommended by the manufacturer.
 - B. Thiokol Sealant:
Pecora "Synthacalk" of A.C. Horn "Thiokol Lp-32 Sealant", two part Polysulfide liquid polymer (Thiokol) base sealer meeting ASA Specifications for Polysulfide Base Building Sealing Compounds for the Building Trade, All6.1-1960; heavy type (hard curing) for vertical, overhead or abrasion subject joints and flow type (soft curing) for horizontal expansion joints; standard color.
 - C. Oil Base Sealant:
Pecora "Architectural Grade Sealant Compound", DAP, Inc. "Sealant Compound" or A.C. Horn Co.'s "Vulcatex"; natural color in consistencies for use with gun and knife under a paint finish.
 - 5.2 Work Included:
 - A. Thiokol Sealant:
 - 1. Joints of abutting stucco & masonry.
 - 2. Masonry wall control joints.
 - 3. Window jambs, head and sill.
 - 4. Perimeter of metal door frames.
 - 5. Other joints indicated by drawings.
 - B. Interior Oil Base Sealant:
 - 1. Perimeter of exterior metal door frames.
 - C. Miscellaneous Sealant:
Seal all places indicated and elsewhere that materials fail to fit closely on exterior and interior, using oil base sealant or as noted on the plans.

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- 5.3 Execution:
- A. Clean all joints and make dry.
 - B. Prepare surfaces, mix and apply Thiokol type sealant in accordance with manufacturer's printed instructions.
 - C. Apply primer by brush to all joint surfaces of stone, brick and other porous masonry and allow to dry.
 - D. Wood surfaces shall have been primed by painting.
 - E. Pack deep or wide joints with Dow Ethafoam SB Backer Rod as manufactured by W.R. Meadows, Inc. or the approved equal of the size recommended by the manufacturer for the joint to be filled prior to sealing.
 - F. Run joints full of sealant compound, with surface ripple free and flush.
 - G. Use a knife and knife grade material for fine joints.
 - H. Immediately clean adjacent materials after soiling.

End of Section 07000