PROJECT PROFILE

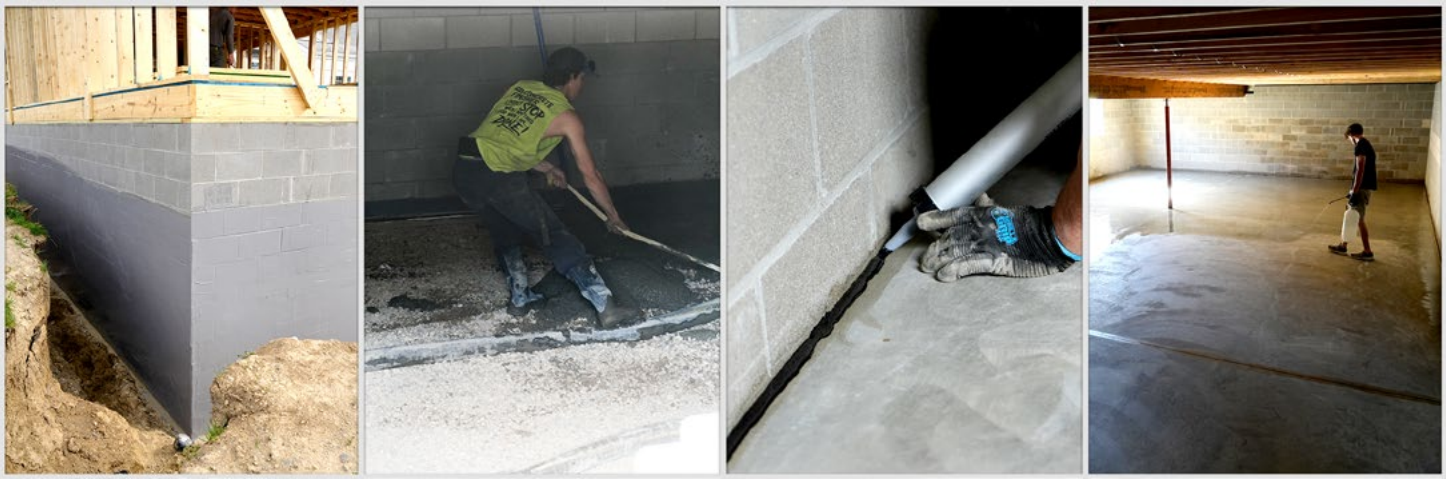
ConSeal Concrete Sealants Inc.
SEAL OF SECURITY. BOND OF TRUST.

ANY SIZE.
ANY SHAPE.
ANY HEIGHT OR DEPTH.

LOCATION: **VANDALIA, OH | USA**

SITUATION: **HOUSE ADDITION WITH HIGH WATER INFILTRATION RISK**

BASEMENT WATERPROOFING



THE SITUATION:

A residential construction project in Vandalia, Ohio required reliable watertight solutions for a home addition. The site had a history of poor drainage and standing water accumulation after heavy rainfall. ConSeal's engineering team worked closely with the contractor to develop a custom waterproofing solution to address concerns for water intrusion and long-term performance.

THE SOLUTION:

The exterior of the block wall was primed with CS-80 and coated with CS-1800 Waterproofing Membrane to provide protection against up to 100psi of positive hydrostatic pressure. Prior to pouring the basement slab, CS-231 Controlled Expansion Waterstop paired with CS-1550 Instant Grab Adhesive-Sealant was installed around the interior perimeter concrete footing and support columns to prevent water intrusion in cold joint locations. To seal the expansion joints and control joints in the floor slab, CS-80 Primer and CS-1500SL Self-Leveling Elastomeric Sealant were utilized. To complete the slab treatment, ConBlock SH was applied to reduce dusting, increase abrasion resistance, and inrease resistance to water penetration.

APPLICATIONS:

CMU BLOCK WALLS
CAST-IN-PLACE CONCRETE SLAB-ON-GRADE
HORIZONTAL JOINTS

PRODUCTS USED:

CS-1800
SOLVENT FREE, WATERPROOFING MEMBRANE

CS-1550
INSTANT GRAB ADHESIVE-SEALANT

CS-231
CONTROLLED EXPANSION WATERSTOP SEALANT

CS-80
CONCRETE PRIMER FOR ELASTOMERIC SEALANTS

CS-1500SL
SELF-LEVELING, ELASTOMERIC SEALANT

CONBLOCK SH
SODIUM-BASED SURFACE HARDENER

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