SPEC MIX® Wet Process Shotcrete is a preblended concrete designed for pneumatically applied wet process applications. SPEC MIX wet process shotcrete products are specifically formulated to produce a highly finishable material with excellent shooting characteristics. SPEC MIX Wet Process Shotcrete formulations come in ACI gradation 1 (WP-01) and gradation 2 (WP-02 & WP-03) to allow the applicator the ability to select a product specifically designed with an aggregate gradation formulated for the depth of the application. SPEC MIX Wet Process Shotcrete products are suited for, but not limited to, the repair of bridges, parking structures, dams, or any concrete structure. Available in 80 lb (36.2 kg) and 3,000 lb (1,360.7 kg) bags, SPEC MIX Wet Process Shotcrete is engineered for optimal adhesion and durability.

SPEC MIX Wet Process Shotcrete is produced under strict manufacturing standards supported by complete quality control measures. A digital printout displaying the proper proportions per batch may be kept as a permanent record. SPEC MIX shotcrete products are designed to meet applicable shotcrete ASTM and ACI standards.
INSTALLATION/APPLICATION
Thoroughly tested and trialed by certified nozzlemen, SPEC MIX Wet Process Shotcrete is designed for wet process shotcrete repair applications where water is added at the job site. SPEC MIX shotcrete should be installed in accordance with the provisions of the national or local building code and The American Concrete Institute’s recommended practices ACI, “Guide to Shotcrete”. Shotcrete products should be applied only by an experienced, certified nozzleman.

Substrate preparation is critical for promoting good bond. When applying shotcrete materials to concrete surfaces, any deteriorated concrete should be removed until sound concrete is exposed. The exposed surface should be free of loose and/or friable material, and dust.

When combining water with the shotcrete mixture, always use clean, potable water. SPEC MIX Wet Process Shotcrete should be installed before a loss of consistency is experienced after the addition of mixing water. This time period may be shorter in hot weather conditions. Hot and/or dry conditions may cause the shotcrete to harden more rapidly; therefore, a fog mist may be required to ensure proper curing. Prior to the application of shotcrete, the substrate should be cleaned and evenly moistened, but not saturated.

Although SPEC MIX Wet Process Shotcrete products are designed to reduce rebound, some rebound is to be expected. Do not incorporate rebound material back into the applied shotcrete. Once the shotcrete is applied, a variety of finishing techniques can be used to achieve the desired surface texture. Some applications may require a finish (flash) coat. After the desired finish is achieved, provide sufficient moisture to permit continuous hydration of the cementitious materials for optimum curing.

SIZES AND EQUIPMENT
SPEC MIX shotcrete products are available in 80 lb (36.2 kg) packages for easy hand loading, or in 3,000 lb (1,360.7 kg) reusable bulk bags to be used with the various SPEC MIX silo systems. When using the silo system, once the bulk bags of shotcrete mix are delivered to the project site, the portable silo is loaded with a job site forklift and the product is dispensed into the shotcrete mixer as needed. Just add clean water to the concrete mixer, mix adhering to instructions, and the shotcrete is ready to shoot.

MIXING INSTRUCTIONS
WEAR IMPERVIOUS GLOVES, such as nitrile.
1. Add the appropriate amount of clean potable water into the mixer for each 80 lb (36.2 kg) bag to reach the required water to cement ratio.
2. Slowly pour SPEC MIX Wet Process Shotcrete product into the mixer.
3. Mix for 5 minutes until a workable consistency is achieved. Avoid over mixing as this may affect the integrity of the finished product.
   *To determine the gallons of water required per bag to achieve the desired water to cement ratio, contact your local SPEC MIX sales representative.

ACTUAL RESULTS MAY VARY DUE TO WORKMANSHIP, REGIONAL MATERIAL VARIATIONS, AND JOBSITE CONDITIONS.

LIMITATION
When applying SPEC MIX Wet Process Shotcrete in adverse weather conditions, follow TMS recommendations for hot and cold weather concrete construction at temperatures below 40 °F (4 °C) or above 100 °F (38 °C) respectively. The performance of a shotcrete product is dependent not only on the material, but the equipment and jobsite personnel mixing and placing the shotcrete material. A nozzleman and crew that is properly trained in construction methods for applying shotcrete material is critical to the project’s success. Shotcrete should be cured in accordance with ACI “Guide to Curing Concrete” to minimize plastic shrinkage. Properly mixed and installed shotcrete requires little to no maintenance.

LIMITED WARRANTY
IN THE UNITED STATES
NOTICE: Obtain the applicable LIMITED WARRANTY at www.specmix.com/product-warranty or send a written request to SPEC MIX, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA.

AVISO: Obtenga la GARANTÍA LIMITADA correspondiente en www.specmix.com/product-warranty o envíe una solicitud por escrito a SPEC MIX, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA.

IN CANADA

TECHNICAL SUPPORT
- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT WWW.SPECMIX.COM
- CONTACT SPEC MIX®
  PHONE: 888-773-2649    FAX: 651-454-5315

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