1. Product Name
• SPEC MIX® Fiber Base Coat (FBC) Preblended Stucco
• SPEC MIX Scratch and Brown
• SPEC MIX Colored Finish Coat

2. Manufacturer
SPEC MIX, Inc.
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3. Product Description

BASIC USE
SPEC MIX® Fiber Base Coat Stucco (FBC) is a code-approved, high performance, fiber-reinforced, premixed stucco basecoat for commercial and residential applications. Designed to minimize crazing and cracking, it can be applied, by trowel or gun, to 3/8" - 1/2" (9.5 - 12.7 mm) and 3/4" - 7/8" (19 - 22.2 mm) thick stucco, One-Coat and traditional Scratch and Brown applications. Used in accordance with its code report, SPEC MIX Fiber Base Coat can be installed for 1-hour fire-resistive wall assemblies and for non-combustible construction.

SPEC MIX Scratch and Brown Stucco
SPEC MIX Scratch and Brown is a dry premixed stucco base coat for commercial and residential applications. It can be used as the scratch or brown coat in a 3-coat application and is formulated to be applied by trowel or gun.

SPEC MIX Colored Finish Coat Stucco
This premixed cement-based finish coat is a preblended mixture designed for traditional 2- or 3-coat stucco systems. SPEC MIX Colored Finish Coat is available in a wide range of stock colors and, for additional flexibility, can be custom blended.

COMPOSITION & MATERIALS
SPEC MIX Stucco products are dry, proprietary mixes of cementitious materials, aggregates, sand and special admixtures. Manufactured throughout the United States and Canada using high tech blending equipment and following strict quality control procedures, the products are produced with raw materials from each geographic region.

TYPES & SIZES
SPEC MIX Stucco Products are packaged in 80 lb (36 kg) bags and 3000 lb (1360 kg) bulk bags for use with any SPEC MIX delivery system.

BENEFITS
• A computer batching process and strict quality control procedures help ensure that the finished product complies with design and specification requirements
• Batch-to-batch consistency is maintained using dry sand to eliminate the bulking effect of moisture within the aggregate
• Portable SPEC MIX silos can be enclosed to permit construction in all climates
• Pallets and bulk bag containers are reusable and picked up whenever a new load of material is delivered to a site
• The SPEC MIX system helps eliminate the shoveling and heavy lifting associated with field mixing

LIMITATIONS
• Surface and ambient temperatures must be 40 - 100 degrees F (4 - 37 degrees C) during application and curing. Consult your local building code officials for cold or hot weather construction practices
• Do not install stucco under hot, dry or windy conditions
• Avoid applying in direct sunlight
• Protect walls from rain, snow and frost for 48 - 72 hours
• Expansion or control joints, installed to specifications of engineers, architects, designers and local building codes, are required at least every 144 ft² (13.4 m²) at floor lines in multilevel construction, at existing joints in the substrate and where dissimilar materials abut.

4. Technical Data

APPLICABLE STANDARDS
ASTM International
• ASTM C91 Standard Specification for Masonry Cement
• ASTM C144 Standard Specification for Aggregate for Masonry Mortar
• ASTM C150 Standard Specification for Portland Cement
• ASTM C157 Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete
• ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes
SPECIAL MIX System is environmentally friendly and can contribute points toward LEED certification. SPECIAL MIX bulk bags and pallets are recycled, and the silo system eliminates the use of disposable paper bags, thus reducing landfill impact. Raw materials are typically extracted and used to manufacture products within 500 miles of the job site.

5. Installation
PREPARATORY WORK
Silo Delivery
When using the silo system, portable SPECIAL MIX silos and bulk bags are delivered to the project site. The silo is loaded, and the product dispensed into a mechanical batch mixer and applied by trowel or spray.

One-Coat Application
SPECIAL MIX Fiber Base Coat can be applied in a single pass with a minimum thickness of 3/8" (9.5 mm) and can be applied up to 1/2" (12.7 mm) in a single application. It can be used for exterior walls of wood or steel stud construction and substrates of expanded polystyrene (EPS) insulation board, gypsum sheathing, fiberboard, plywood or oriented strand board (OSB).

Over concrete or masonry units, SPECIAL MIX Fiber Base Coat can be applied with or without lath. Over either wood or metal framing with sheathing, install a weather-resistant barrier, wire fabric or self-furred metal lath compliant with ASTM C1063 and ASTM C847.

When installed over wood-based sheathing, such as plywood, OSB or asphalt impregnated sheathing, 2 layers of grade D building paper, complying with UBC Standards, are required. As an alternative, 2 layers of grade D building paper, 1 layer of grade D 60-minute paper and 1 layer of EPS or extruded polystyrene board with tongue and groove edges can be used prior to the installation of the wire fabric or self-furred metal lath. The wire fabric in a one-coat system must comply with ASTM C847. The metal lath must also comply with ASTM C847; it must be self-furred and must be a minimum of 2.5 lbs/ya² (12 kg/m²).

METHODS
Mixing
Follow the mixing requirements of ASTM C926. For consistent results, use a mechanical mixer.
SPEC MIX FBC Stucco is formulated for ultimate workability and board life, as well as reduced cracking and crazing.

For homogeneity, workability and good board life, proper mixing procedures improve workability and water retention for hand application; over-mixing will entrain air, which can adversely affect properties.

80 lb (36 kg) Bag Mixing
- Add approximately 1.2 gallons - 1.5 gallons (4.5 - 5.7 L) of clean water into the mixer for each 80 lb (36.3 kg) bag.
- Slowly pour the contents of the bag(s) into the mixer.
- Mix for 5 minutes until a firm, workable consistency is achieved.
- Avoid over mixing, which may affect the integrity of the finished product.
- If more water is needed, add small amounts at a time and continue to mix until a desired consistency is achieved.
- Do not exceed a total volume of 2 gallons (7.6 L) of water for each 80 lb (36.3 kg) bag.
- Prepare only enough mix as can be applied in one hour.

Silo System Mixing
- Place 75% of the needed water into the mixer. A double batch requires approximately four full 5 gallon (18.9 liter) pails 
- Pull open the silo handle to dispense the SPEC MIX product
- Add the remaining amount of water for the desired consistency
- Mix the material for 5 minutes; mixing time and procedures should be consistent with every batch
- Maintain mixing procedures for consistent material

Application and Curing
- Apply SPEC MIX Fiber Base Coat, Scratch and Brown or Colored Finish Coat with a gun or trowel
- For one-coat applications of SPEC MIX Fiber Base Coat, apply at a minimum of 3/8" (9.5 mm) on the metal lath
- For traditional applications, apply 3/8" (9.5 mm) for the scratch coat and 3/8" (9.5 mm) for the brown coat
- Apply SPEC MIX Stucco Products in a continuous application, Always work to a wet edge to eliminate cold joints
- Moist cure for 48 hours with regular fogging spray after the stucco has taken its initial set (2-4 hours)

Silo Removal
When the project is complete, call the SPEC MIX distributor to load both the silo and empty reusable bags.

PRECAUTIONS
- During application and curing, surface and ambient temperatures must be 40 - 100 degrees F (4 - 36 degrees C). Always consult your local building code officials for cold and hot weather masonry construction practices
- Do not install stucco under hot, dry or windy conditions and avoid applying SPEC MIX Fiber Base Coat Stucco in direct sunlight
- Before wet curing, allow SPEC MIX Fiber Base Coat Stucco 2 - 4 hours to achieve its initial set (climate sensitive)
- Moist cure for 48 hours with regular, consistent fogging spray of water
- Protect walls from rain, snow and frost for 48 - 72 hours

Warning
This product contains Portland cement. Contact with freshly mixed product can cause severe burns. Avoid direct contact with skin and eyes. If this product should contact eyes, immediately flush with water for at least 15 minutes and consult a physician. For skin exposure, wash promptly with plenty of soap and water. Remove soaked clothing promptly. If this product burns your skin, see a physician immediately. This product may contain silica. Silica dust inhaled may cause respiratory or other health problems. Prolonged inhalation may cause delayed lung injury, including silicosis and possibly cancer. An N95 approved dust mask, eye protection, and rubber boots and gloves are recommended when using this product. Material Safety Data sheets can be viewed online at www.specmix.com.

Keep out of reach of children.

WARNING: This product contains chemicals known to the State of California to cause cancer.

BUILDING CODES
Installation must comply with requirements of all applicable local, state and federal code jurisdictions, including:
- 2003 International Building Code (IBC)
- 2003 International Residential Code (IRC)
- BOCA National Building Code 1999 (BNBC)
- 1999 Standard Building Code (SBC)
- 1997 Uniform Building Code (UBC)

6. Availability & Cost

AVAILABILITY
SPEC MIX products and the patented SPEC MIX silo delivery system are available nationally with local distribution to major U.S. and Canadian markets. Contact SPEC MIX, Inc. or visit the www.specmix.com website to locate a local representative.

COST
Cost information is available from a local SPEC MIX representative or your local distributor.
7. Warranty
SPEC MIX, Inc. warrants this product to be of merchantable quality when used or applied in accordance with the instructions. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of the product (as purchased) if found to be defective or, at the shipping company's option, to the refund of the purchase price. All claims under this warranty must be written and submitted to SPEC MIX, Inc.

8. Maintenance
Properly installed products require little maintenance. Depending on service conditions, stucco walls may require periodic cleaning.

9. Technical Services
For technical assistance, contact your local SPEC MIX representative or call (888) SPEC-MIX or visit the www.specmix.com website.

10. Filing Systems
• SmartBuilding Index
• MANU-SPEC®
• Additional product information is available from the manufacturer upon request.

SPEC MIX FBC Stucco is engineered for gun-applied basecoat in one- and three-coat wall systems.