



Water, Mold & Mildew Resistant Stucco AMX 710 WMMR

Product # AMX 710 WMMR



1. PRODUCT NAME

Amerimix Water, Mold & Mildew Stucco - AMX 710 WMMR

2. PRODUCT DESCRIPTION

Amerimix Water, Mold & Mildew Resistant Stucco AMX 710 WMMR is a factory blend of cement, sand and proprietary chemical admixtures to develop water repellent properties as it cures. This mixture is designed for superior adhesion and handling properties, extended board life and the resistance to shrinkage and cracking.

Dual Action Formula

The best defense against mold and mildew is a combination of good workmanship that provides adequate moisture control and the use of antimicrobial materials. Amerimix Water, Mold & Mildew Resistant Stucco uses a dual action formula to resist water and fight the growth of stain-causing mold & mildew on the applied stucco.

Water Resistant

An integral crystalline waterproofing technology provides an environmentally friendly and permanent water-resistant barrier. When combined with water, a catalytic chemical reaction with unhydrated cement particles begins to form an insoluble crystalline structure. Over a period of weeks and months, millions of needle-like crystals grow, filling and sealing the naturally occurring microscopic pores and voids in the stucco. As a result, water is prevented movement in all directions, while water vapor may still pass, allowing the building to "breathe". When moisture is removed as the stucco dries, the active ingredients sit dormant, will not deteriorate, and last the lifetime of the stucco. If hairline cracks form later due to settling or shrinkage, incoming water triggers the chemical process; additional crystals begin to form and grow, filling cracks and voids, and thereby maintaining and protecting the waterproofing barrier. By blocking water penetration and migration of waterborne contaminants, metal reinforcing is protected from corrosion and mold and mildew is deprived of moisture and nutrients needed to spread.

Antimicrobial Product Protection Amerimix Water, Mold & Mildew Resistant Stucco - AMX 710 WMMR is engineered with antimicrobial product protection built-in during the manufacturing process. The active ingredient of antimicrobial technology has been historically recognized for its ability to inhibit the surface growth of mold, mildew, fungus, and bacteria that cause discoloration, stains, and corrosion. This technology provides durable antimicrobial product protection by delivering a continuous controlled release of microbe fighting ingredient over a long period of time, working in conjunction with moisture control.

Feature and Benefits

- Water resistant
- Factory blended under controlled conditions for mix consistency
- Designed for superior adhesion and handling
- Reduced water loss and cracking
- Extended boardlife

Uses

- Scratch and brown coat in a 3 - coat application
- First coat in a 2 - coat application

Packaging

Available in 80 lb (36.3 kg) bags or bulk bags.

Approximate Coverage

One 80 lb bag yields approximately 13 ft² (1.2 m²) at 3/4" (19 mm) thick, 18 ft² (1.68 m²) at 1/2" (1.27 mm) thick.

Limitations

1. The optimal temperature range for stucco application is between 40°F - 90°F. (4°F - 32°F) Application outside of this range is possible when appropriate precautions for cold or hot weather construction are implemented in compliance with ACI, PCA, ASTM, IMIAC, or Masonry Institute standards.
2. Variations in water amounts will cause color variation in final coat.
3. Agitate material as necessary within its working time to maintain workability.
4. Do not add materials other than clean potable water.
5. Water with a high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond the control of Amerimix.
6. Avoid adding excessive amounts of water that promote segregation, loss of strength, loss of durability.
7. Shelf life not to exceed one year from date of manufacture.
8. Stucco should be allowed to cure slowly. Fog mist 2 - 3 times per day for 3 - 5 days minimum, or as needed, depending upon conditions. Protect from rain or freezing for 24 hours.

9. For best protection against water, mold and mildew, AMX 710 WMMR Stucco should be applied for all stucco coats as a complete system.
10. Do not apply when air or substrate temperatures are below or expected to fall below 45°F (7°C) within 48 hours.

NOTE: Amerimix Water, Mold & Mildew Resistant Stucco - AMX 710 WMMR should be installed in accordance with the provisions of applicable ASTM standards and the local building code. Always follow traditional industry best practices appropriate for the application and weather conditions. Good workmanship in conjunction with proper design and detailing assures durable, efficient, watertight construction.

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website Amerimix.com or contact CHEMTREC (24 hours availability) 800-424-9300 for International inquiries +01-703527-3887, or contact Amerimix Technical Services at 888-313-0755.

3. TECHNICAL DATA

Applicable Standards

ASTM International (ASTM)

- ASTM C91 Standard Specification for Masonry Cement
- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars
- ASTM C150 Standard Specification for Portland Cement
- ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ASTM C897 Standard Specification for Aggregate for Job-Mixed Portland Cement Based Plaster
- ASTM C926 Standard Specification for Application of Portland Cement Based Plaster
- ASTM C1328 Standard Specification for Plastic Cement

International Masonry Industry All-Weather Council (IMIAC)

- Recommended Practices and Guide Specifications for Cold Weather Masonry Construction
- Recommended Practices and Guide Specifications for Hot Weather Masonry Construction

Sustainability

Amerimix products generally qualify for LEED Materials and Resources credits for Recycled Materials and Regional Materials. Visit www.amerimix.com or contact Technical Services for additional information regarding LEED qualifications for your specific product application and project location.

4. INSTALLATION

Preparation

- Remove all loose particles, dirt, dust or any foreign materials that would inhibit proper bonding to substrate.
- Certain conditions may require the substrate to be SSD (saturated surface dry) conditioned such as dry windy climates, porous substrates or high temperatures.
- Lath must be installed per ASTM C1063.

Job Mock Up

Amerimix requires that when Amerimix Scratch, Brown & Finish Stucco-AMX 700 SBF is used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the test performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation. Approved mock ups or sample panels should be retained until completion of the project.

Mixing

1. Use of a mechanical mixer will help ensure more uniform mix.
2. Use approximately 1.5 gal (5.7 L) of clean potable water per 80 lb (36.3 kg) bag. Pour approximately 3/4 of the water into the mixer. For mixing from a silo, use the same approximate water ratio and follow the same procedures.
3. With the mixer running, add bags of dry stucco and mix thoroughly.
4. A minimum of 5 minutes mixing time is recommended.
5. Add additional water in small amounts as necessary to achieve optimum consistency and workability. Mix for a minimum of 5 minutes adding enough of the remaining water to achieve a fluid workable consistency. Caution: Adding too much water will reduce strength.
6. Let mix stand for 2 minutes to enable absorption of water and re-mix.
7. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time.

Performance Recommendations

Only water lost to evaporation should be replaced by re-tempering, not water lost to hydration. The re-tempering will alter color and appearance product and may also reduce bond and compressive strength.

Stucco should be installed for all coats at thicknesses corresponding to Table 1 of ASTM C926, local building codes, and best practices. All surfaces should be dampened prior to application and regularly fogged during the curing process.

Curing

Loss of surface water may occur quickly due to higher ambient air temperatures and wind conditions. Moist cure walls for 48 hours after application. Protect from rain and freezing for 24 hours.

Cleaning

Use water to clean all tools immediately after use. Dried material must be mechanically removed. Only clean potable water should be used in the cleaning process.

5. AVAILABILITY

Amerimix products are available throughout the U.S. and Canada.

For information please contact Amerimix at

Toll Free: 888-313-0755

Website: Amerimix.com

6. TECHNICAL SUPPORT

For technical assistance please contact us

Toll Free: 888-313-0755

7. WARRANTY

LIMITED WARRANTY

What Does This Warranty Cover? Amerimix warrants that this product will (a) be free from defects in material and workmanship, and (b) conform to specifications set forth in Bonsal American's product literature at the time of manufacturer.

How Long Does Coverage Last? This warranty lasts for a period of one (1) year from the date of purchase. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS EXPRESS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

What Will Amerimix Do to Address Problems? Amerimix will replace the defective product or refund the purchase price, at its option.

What Does This Warranty Not Cover? Amerimix will not be liable for damage or loss resulting from a failure to store, use, install or maintain the product in strict accordance with Amerimix's specifications and instructions. In no event will Amerimix be liable for damages in excess of the purchase price for the product. CONSEQUENTIAL, SPECIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

How Do I Get Warranty Service? Within thirty (30) days after discovering a defect in the product, contact Amerimix in writing at the following address:

Amerimix

Technical Support Group

Charlotte, NC 28217

Include with your letter a brief description of the problem and any sales receipt, invoice or other proof of the date of purchase. To obtain Amerimix's technical or sales literature, please call (888)313-0755 or visit our web site at amerimix.com.

How Does State Law Relate to This Warranty? This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING - INJURIOUS TO EYES. CAUSES SKIN IRRITATION.

This product contains portland cement and silica sand. Avoid contact with eyes and skin. Do not take internally. Crystalline silica sand may cause serious lung problems. Avoid breathing dust and wear a respirator in dusty areas. Contact with wet unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Wear waterproof gloves, a fully buttoned long-sleeved shirt, full-length trousers and tight fitting safety goggles. If you have to stand in wet product, wear waterproof boots high enough to keep product from getting inside. If working on hands and knees, wear kneepads. Indirect contact through clothing can be as serious as direct contact. Promptly, rinse out wet product from clothing.

California Proposition 65: This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

FIRST AID: Eye Contact: Flood eyes with water for at least 15 minutes and consult a physician immediately. DO NOT RUB EYES. Skin Contact: Wash exposed skin area with soap and water. Consult a physician if irritation persists. Inhalation: Remove to fresh air. Ingestion: Immediately consult a physician.

For additional information, call Amerimix at 888-313-0755 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA. Refer to Safety Data Sheet (SDS) for further information.

ENVIRONMENTAL ADVISORY: Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.