



Portland Cement Type I / II AMX 140

Product # AMX 140



1. PRODUCT NAME

Amerimix AMX 140 Portland Cement Type I / II

2. PRODUCT DESCRIPTION

Amerimix AMX 140 Portland Cement Type I / II meets ASTM C150 and it can be used to make general purpose concrete or a portland lime mortar.

Uses

- When mixed with hydrated lime and mason sand, AMX 140 can be used to make mortar for laying brick, concrete block, stone, chimneys, walls, and for preparing stucco.
- When mixed with gravel or stone and coarse sand, AMX 140 can be used to make general purpose concrete to build or repair walks, floors, footings, patios, setting post and poles.

Packaging

Available in 94 lb (42.6 kg) bags.

Limitations

1. The optimal temperature range for mortar application is between 40°F and 90°F (4°C and 32°C). 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.
2. Remix material as necessary within its working time to maintain workability.
3. Do not add materials other than clean potable water.
4. Water with a high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond the control of Amerimix.
5. Do not overwater. Avoid adding excessive amounts of water that promote loss of strength and durability.
6. Protect uncoated aluminum from direct contact with portland cement based materials.
7. Shelf life not to exceed one year from date of manufacture.

NOTE:

Amerimix AMX140 Portland Cement Type I / II 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. MSDS Sheets are available on our website Amerimix.com or contact CHEMTREC (24 hours availability) 800-424-9300 for International inquiries +01-703-527-3887, or contact Amerimix Technical Services at 888-313-0755.

3. TECHNICAL DATA

Applicable Standards

American Concrete Institute (ACI)

- ACI 530.1 Specification for Masonry Structures

ASTM International (ASTM)

- ASTM C150 Standard Specification for Portland Cement
- ASTM C270 Standard Specification for Mortar for Unit Masonry
- ASTM C387 Standard Specification for Packaged, Dry, Combined Materials for Mortar and Concrete
- ASTM C1157 Standard Performance Specification For Hydraulic Cements

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

National Concrete Masonry Association (NCMA)

- NCMA TEK Bulletin #8-2A Removal of Stains from Concrete Masonry
- NCMA TEK Bulletin #8-3A Control and Removal of Efflorescence

Sustainability

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

4. INSTALLATION

Mixing Mortar

Use the following mix proportions to make mortar:

- 3 part mason sand
- 1 part portland cement
- 1/4 part hydrated lime

1. Add clean potable water, approximately 6 gal (22.7 kg) per 94 lb (42.6 kg) bag. Mix until a uniform, workable consistency has been reached.
2. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time.

Concrete

Use the following mix proportions to make general purpose concrete for installations 2" (51 mm) or greater:

- 3 part gravel or stone (240 - 300 lb, 3/4" (19 mm) recommended)
- 2 part concrete sand or general purpose sand (160 - 180 lb)
- 1 part cement (bag contains 94 lb (42.6 kg) or 1 ft³ (0.03 m³))

1. Add clean potable water, approximately 6 gal per 94 lb (42.6 kg) bag. Mix until a uniform, workable consistency has been reached.
2. Concrete will remain workable for approximately 1 hour.
3. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time.
4. To aid in curing, spray surface lightly with water 2 or 3 times per day for 3 days.

NOTE:

For toppings or a thickness of less than 2" (51 mm), use 3 - 4 parts of concrete sand or general purpose sand with 1 part portland cement.

Curing

To aid in curing, spray surface lightly with water 2 or 3 times per day for 3 days.

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.