

Glen-Gery Stone Veneer Mortar is a high performance, polymer modified mortar designed to set and grout artificial stone on horizontal or vertical concrete or concrete masonry substrates.

Glen-Gery Stone Veneer Mortar is compatible with the *Glen-Gery Landmark Stone* and *Glen-Gery Natural Stone* products.

Safety

READ and UNDERSTAND the Material Safety Data Sheet (MSDS) before using this product. **WARNING:** Wear protective clothing and equipment. See HMIS block. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). **KEEP OUT OF REACH OF CHILDREN.**

Preparation

Clean area and remove all unsound concrete, mortar, grease, oil, paint and any other foreign materials that will inhibit performance. Before applying the mortar, lay stones on flat surface, placing them together to determine the best fit and appearance for your project area. User is to do a test area to verify that the mortar will perform for the purpose intended. Refer to:

- ASTM D 4258 Surface Cleaning Concrete for Coating
- ASTM D 4259 Abrading Concrete
- ASTM D 4260 Acid Etching Concrete

Concrete and masonry substrates are to be cured a minimum of 7 days. Scratch and brown coats over concrete, concrete masonry or metal reinforcement are to be cured a minimum of 24 hours. Install scratch and brown coats (refer to ASTM C 1063 and ASTM C 926). All surfaces to receive the Glen-Gery Stone Veneer Mortar are to be hard, dry, sound and able to support the stone. Dampen porous surfaces.

Mixing

Empty contents of entire bag into a mortar or plaster mixer and mix with clean water.

1. Add clean water according to the table below, or enough to achieve a workable mix.
2. Let slake for 5 minutes.
3. Re-mix and use.

80 lb. (36.2 kg)
5 - 6 qts. (4.73 - 5.68 L)

MIXING (Cont.)

Mortar should always be mixed to a firm, moist consistency. A mix that is too dry and crumbly will not provide the proper bond. **AVOID A SOUPY MIX.** Mortar that is too wet will be weak and will not provide adequate bond. The retempering of colored mortar will alter the color appearance of the mortar joint plus may reduce bond and compressive strength. Any material that begins to harden in the mortar pan should be discarded and a new batch should be made using the same amount of water as the previous batch for consistent color. Wind, temperature and absorption rate of the masonry unit affects performance and working time. In cold weather, use warm water to accelerate the set. In hot weather, use cool water to slow set.

Note: Water with a high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond the control of Glen-Gery.

Placement

1. Determine the amount of stone needed by measuring the length x the height for walls or length x the width for horizontal surfaces to find the square footage of the area to be covered.
2. Trowel a thin layer of mortar on the substrate. Apply a thick layer of mortar to the back of each stone.
3. When installing large stone on a vertical surface, apply a thick ring of mortar around the back of each stone, leaving a void in the center to create a vacuum as you press the stone into place; start at the bottom of the wall and brace each stone as you go up.
4. Allow the mortar to squeeze out around stone's edges. In wall applications, place temporary shims if needed between the stones until the mortar sets to maintain even spacing between the stone.
5. After placing the stone and the mortar has set to thumb print hard (about 1 hour), remove the shims. Use a grout bag or pointing trowel to fill in joints where additional mortar is needed.
6. Using a metal jointing tool, compact and seal edges around stone and rake out excess mortar.
7. Brush loose mortar from surface and joints to clean stones. The air, mix and substrate temperature should all be between 40°F (4°C) and 90°F (32°C).

Limitations

- DO NOT apply when air or substrate temperature is below 40°F (4.4°C) or above 90°F (32.2°C).
- DO NOT add more than 1 lb. (0.44 kg) of cement color per 80 lbs. (36.2 kg) of Glen-Gery Stone Veneer Mortar.
- DO NOT over-water.

See reverse side for additional information.



GLEN-GERY STONE VENEER **mortar** PRODUCT DATA SHEET

Packaging

80 lb. (36.2 kg) multi-ply bag UPC: 7-64661-20580-7

Storage

Store in a tightly closed container off the floor in a dry place.

Technical Data

Exceeds ASTM C 387 when used as directed.
Complies with ASTM C 270

Compressive Strength
28 day 1800 psi (12 MPa)

Water Retention
75 %

Coverage

One 80 lb. (36.2) bag will install approximately 16 sq. ft. (1.49 m²)



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.

WARNING!

MAY BURN OR IRRITATE EYES AND SKIN – Avoid contact with eyes and skin. This product contains hydraulic cement. When mixed with water it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Wear safety glasses or goggles, protective clothing, shoes and gloves. Do not take internally. Avoid breathing dust. This product contains crystalline silica. Prolonged exposure to crystalline silica dust is known to cause lung cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust. For Prolonged exposure to dust wear a respirator approved for protection against crystalline silica dust. Crystalline silica has been classified by the state of California, IARC and NTP as a carcinogen. **FIRST AID:** If swallowed drink one or two glasses of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. In case of eye contact, flush thoroughly with clean water for a minimum of 15 minutes and get prompt medical attention; for skin contact wash with soap and water. Read MSDS prior to use. For additional information call GLEN-GERY at 610-562-3076 or CHEMTREC at 800-424-9300, or 703-527-3887 outside of the USA. **WARNING:** if you scrape, sand or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness such as brain damage, especially in children. Wear a NIOSH approved respirator. Clean up carefully with a HEPA vacuum and a wet mop. Find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limited Product Warranty

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the date the product is purchased. **ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY.** Liability under this warranty is limited to replacement of defective product or, at the manufacturer's option, refund of the purchase price. **CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.**



INFORMATION & TECHNICAL SERVICES

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