

## Specifications

# *NMP - Architectural Legacy Stone*

### **Part I – General**

#### **PRODUCT NAME**

Textured Legacy Stone Masonry Units  
Terrazzo Legacy Stone Masonry Units

#### **MANUFACTURER**

Nitterhouse Masonry Products, LLC  
(717) 267-4500  
P. O. Box 692  
859 Cleveland Avenue  
Chambersburg, PA 17201

#### **SUBMITTAL**

Submit color samples for selection from manufacturer's Color Selection Kit. Submit product literature, certifications, and test reports, full size sample(s) of each color specified.

#### **TECHNICAL INFORMATION**

Architectural units to conform to the following physical properties.

-Suitable for at-grade installation.

-Meets ASTM C129.

-Compressive Strength- ASTM C67- 8,000PSI

-Absorption- ASTM C140- Less than 4%

-Density ASTM- C140- 150 lbs pcf

-Freeze Thaw Durability- ASTM 1262- Less than 3% (50 cycles)

#### **QUALITY ASSURANCE**

**Certifications:** Legacy Stone units meet ASTM C90 specs: however, they are not designed to be a load-bearing unit. All non-load bearing units comply with ASTM C129. All aggregates shall conform to ASTM C33. All sampling and testing shall be according to ASTM C140.

**Field Constructed Mock-ups:** Construct a sample panel, no less than 4' X 4' of units of each color and size to be used in the project.

**Delivery, Storage & Handling:** Legacy Stone units shall be delivered to the jobsite on stretch-wrapped wooden pallets. Protective sheets to be used to protect the faces. Store pallets in single stacks on level ground and cover with waterproof cover (tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

### **Part II - Products**

#### **FINISHES**

**Specify exact type of finish required:**

Textured Finish – (Shot Blasted)

Terrazzo Finish – (Ground Face)

#### **SIZES AND SHAPES**

3-5/8" x 3-5/8" x 23-5/8"

3-5/8" x 7-5/8" x 23-5/8"

3-5/8" x 11-5/8" x 23-5/8"

3-5/8" x 15-5/8" x 23-5/8"

3-5/8" x 11-5/8" x 11-5/8"

3-5/8" x 11-5/8" x 11-5/8"

Other sizes are available upon request. Finished ends, scores, and chamfers also available upon request.

#### **INTERGAL WATER REPELLANT**

Because of the extreme density of this product is not necessary to use an intergal water repellant in the production of this product.

### **Part III - Execution**

#### **LAYING MASONRY WALLS**

Lay units using the best concrete masonry practices. Install only quality units; reject any defective units. Units should include uniform 3/8" wide joints on the completed side of the wall. Draw blocks from 4 different pallets at a time during installation to maintain a more uniform wall color. Refer to NCMA TEK 3-1A for Hot and Cold weather construction practices.

#### **INSTALLATION**

1. Install units in accordance with standard acceptable masonry practices.
2. Material to be pulled from various cubes.
3. Do not use pry bars or other equipment that could damage when installing units.
4. Set units in a full bed of mortar. Vertical and horizontal joints to be 3/8" unless otherwise indicated in drawings.
5. Shims may be used to space units.
6. Joints to be tooled with a concave profile.
7. Legacy Stone shall have the required amount of control joints as required by the Architect/Engineer. See NCMA TEK 10-2B and NCMA TEK 10-4 for reference.
8. Careful attention should be given to anchoring connections. Slots and dowel holes are to be filled with mortar grout.
9. Cut units using motor-driven masonry saws.
10. Remove excess mortar from masonry immediately.

#### **FLASHING OF MASONRY WORK**

Install flashing at locations shown in the plans and in strict accordance with the details and the proper masonry flashing practices as outlined in the CONCRETE MASONRY HANDBOOK published by the Portland Cement Association.

#### **WEEP HOLES AND VENTS**

Install weep holes and vents at proper intervals (according to typical practice) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

#### **PROJECT / SITE CONDITIONS**

**Protection of Work:** Cover walls each day after installation to keep open walls protected and dry. After units are installed, they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic.

#### **INSPECTION**

The textured-finished units are designed to have a weather-worn look; however, the faces of all concrete masonry products shall be free from chips, cracks, crazes or any other imperfections that would detract from the overall appearance of the finished wall when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting, as per ASTM C90 or ASTM C129.

#### **CLEANING**

Keep walls clean during installation using brushes. Do not allow excess mortar or smears to harden on the finished surface. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Clean masonry units within 7 to 14 days of laying the wall. Failure to do this could result in harsh methods needed to remove mortar and debris; thus, resulting in damaging the finish of the product.

#### **SEALER**

If specified or required, sealer to be field-applied by a qualified applicator. All repairs are to be completed prior to sealing of masonry units. Refer to manufacturer for preferred sealer to be used.

#### **FINAL CLEANDOWN**

The recommended clean down would be to use clear water and a brush. If additional cleaning is required, the use of a detergent masonry cleanser formulated for concrete masonry may be used, strictly following the manufacturer's instructions including thorough pre-wetting of the walls and thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer's instruction can result in permanent damage to the finished faces. High-pressure power washing is not recommended.

#### **MAINTENANCE**

Nitterhouse Architectural Concrete Masonry Units, properly installed and cleaned, need very little, if any future maintenance. Graffiti, paint, or stains might require the use of special cleaning agents. Contact Nitterhouse for specific cleaning recommendations.