

Ground Face Polished Masonry Units Specification

Part 1

SUBMITTAL

Submit color samples for selection from manufacturer's standard colors and textures. Submit product literature, certifications and test reports and full sized samples of each color specified.

QUALITY ASSURANCE

Certification

Concrete Masonry Units for grinding shall meet all appropriate, applicable standards of ASTM latest edition.

ASTM C90 Load Bearing Masonry Units

ASTM C33 Specification for Concrete Aggregates

ASTM C140 Sampling and Testing for

Concrete Masonry Units

ASTM C331 Lightweight Aggregates for

Concrete Masonry Units

ASTM E 514 Water Penetration and Leakage through Masonry

Delivery, Storage and Handling

Westbrook Concrete Block's Ground Face Polished Units shall be delivered to the jobsite on covered, stretch wrapped wood pallets with expanded polystyrene dividers separating the layers of block. Store pallets in single stacks on level ground and covered with waterproof covering to protect the units from inclement weather. When stocking the staging areas, units shall be handled carefully to avoid chipping and damage to the finished surfaces.

Protect and Site Conditions

Cover walls each day after installation. Take special care to protect from moisture penetration. After units are installed they should be protected from damage by other trades. Walls should be covered with plastic or plywood to prevent staining or chipping.

Part 2

Product Name

Ground Face Polished Concrete Masonry Unit

Manufacturer



Westbrook Concrete Block Co., Inc.

Sizes and Shapes

-Height and Length surfaces are ground to provide a finished dimension of 7 5/8" x 15 5/8" (unless otherwise specified). Corner units will have finished dimension of 15 9/16" (+/- 1/16").
-Width dimensions of single faced units will be 3 9/16", 5 9/16", 7 9/16", 9 9/16", 11 9/16" (+/- 1/16").
-Two face units will have a finished width of 3 1/2", 5 1/2", 7 1/2", 9 1/2", 11 1/2" (+/- 1/8").
-Units are available in solid and cored configuration and various sill blocks and custom shapes are available upon request.

Water Repellency

All Westbrook Concrete Block Ground Face Polished units shall be manufactured with the water repellent admixture Dry Block®, a product of the Grace Construction Products, in sufficient amount to comply with the manufacturer's recommendation.



Fire Resistance

Define required hourly ratings as 2, 3, or 4 hours under the provisions of Underwriters Laboratories. All fire-rated concrete masonry units shall be manufactured in compliance with the appropriate UL design number.



Recycled Content:

Westbrook Concrete Block Ground Face Polished Units can be manufactured using certified recycled contents containing both Pre and Post Consumer Recycled content. This recycled content contributes toward LEED Materials & Resource Credits 4.1 & 4.2. Please contact your authorized Westbrook Concrete Block representative for sizes, shapes and colors available with recycled content.



PART 3

Laying Masonry Walls

Laying concrete masonry units incorporating the best masonry practices. Install only quality units; reject all defective units. Align units level, plumb and true with uniform carefully tooled 3/8" wide concave mortar joints. Avoid raked joints in favor of a tooled "V" joint. This type of joint will insure that the mortar is pressed up and down to the top and bottom of the units and will avoid chipping the edges as often happens with a raked joint. Draw blocks from more than one pallet to insure blending of color range. All exterior mortar shall contain Grace Construction Products Dry Block® mortar water repellent additive.

Finish and Appearance

Provisions relating to finish and appearance prohibits defects that would impair the strength or performance of the construction, but permit minor cracks incidental to the usual manufacturing methods. The presence of objectionable imperfections is based on viewing the face or faces from a distance of 20 feet (6.1 meters) under diffused lighting. Color and texture shall conform to a sample consisting of not less than 4 units, representing color and texture.

Quality Control During Installation

- * Provide adequate lighting for masonry work for even illumination during installation
- * Make all cuts with a motor driven, water lubricated masonry saw using a diamond blade.
- * Lay units with a full bed and head joints.
- * Tool all mortar joints and either concave or "V" joint.
- * Remove mortar from face of units before it sets.
- * Inspect finished walls to insure they are free from chips, cracks and any imperfections that would detract from the overall appearance of the wall. Walls should be viewed from a distance of twenty (20) feet under normal lighting to determine acceptance.

Flashing

Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

Weep Holes and Vents

Install weep holes and vents at proper intervals (32" O.C. and 2" long, above bed joints, typical) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

Pointing

Tuckpoint the joints of scored Ground Face Polished Units

Cleaning

- Keep walls clean during installation using brushes, rags or burlap.
- Do not allow excess mortar lumps or smears to set on the finished surface.
- Clean the completed walls with a detergent masonry cleaner manufactured by the ProsoCo Company
- Burnished Custom Masonry Cleaner® strictly following the manufacturer's instructions.

DO NOT USE ACID OR ABRASIVES ON THE FINISHED WALL.

High pressure washing is not recommended and could interfere with the Dry Block® and cause efflorescence.



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