



premium architectural masonry units

Specifications

Split Face

Part 1—General

SUBMITTAL

Submit color samples for selection from manufacturer's group A, B, C, D or E. Submit product literature, certifications, test reports and full size sample(s) of each color specified.

QUALITY ASSURANCE

Certifications: Concrete blocks for finishing shall conform to ASTM C90. All units contain an integral water-repellent CMU admixture at the time of manufacture.

Fire Resistance: Define hourly ratings required as 1, 2, 3 or 4 hours.

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 AND HANDLING

Split Face units shall be delivered to the jobsite on covered banded pallets with cardboard between layers. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

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. Corners should be protected from damage after installation by covering them with plywood.

Trenwyth requires ordering a full size unit to illustrate color and texture for approval.

Trenwyth Industries requires a sample panel be installed at the jobsite prior to installation of any Trenwyth product. This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the

project. Trenwyth will provide 4" units for a sample panel 4' by 4' at no cost for the material (not including freight to site).

Part 2—Products

PRODUCT NAME

Split Face textured masonry units

MANUFACTURER

Trenwyth Industries
One Connelly Road
Emigsville, PA 17318
(800) 233-1924

Trenwyth Industries
3400 E. Bungalow Road
South Beloit, IL 61080
(800) 358-3003

Trenwyth Industries
4626 N. 42nd Avenue
Phoenix, AZ 85019
(800) 331-9823

RELATED MATERIALS

Colored matching or contrasting mortar as available at Trenwyth Industries. Refer to Division 4 Masonry Section for mortar type and specifications. Use W.R. Grace DRY-BLOCK® water-repellent mortar additive, available at Trenwyth Industries, following manufacturer's instructions, in all exterior mortar.

SIZES AND SHAPES

Nominal 2", 4", 6", 8", 10" and 12" standard block thickness are available as well as all standard block shapes. High-strength units for special structural requirements, over-sized units and metric shapes and sizes are also available.

MASONRY CLEANERS

Use Burnished Custom Masonry Cleaner by PROSOCO carefully following manufacturer's instructions (dilute one part to 15 parts clean water). Available at Trenwyth Industries. **Do not powerwash.**

CAUTION! Never use Muriatic Acid solution on units.

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Part 3—Execution

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include W.R. Grace DRY-BLOCK® water-repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK 3-1A for Hot and Cold weather construction practices.

Lay units using the best concrete masonry practices. Install only quality units; reject all defective units. Lay blocks with the faces level, plumb and true to the line strung horizontally at the ground face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use trough lighting.

Cutting: Make all unit cuts, including those for bonding, holes, boxes, etc., with motor-driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING AND JOINTING

1. Lay units with full mortar coverage on head and bed joints taking care not to block cores to be grouted or filled with masonry insulation.
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. **NO RAKE JOINTS.**

FLASHING OF MASONRY WORK

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.

INSPECTION

The textured faces shall be free from chips, cracks, crazes or any other imperfection 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.

CLEANING

Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the surface of the blocks.

FINAL CLEANDOWN

Clean the completed walls with a detergent masonry cleaner strictly following the manufacturer's instructions including thorough rinsing. Do not use acid or abrasives on the finished surfaces. For stubborn mortar stains or smears, a 15:1 solution of Sure Klean® Burnished Custom Masonry Cleaner by PROSOCO may be used as long as the walls are thoroughly wetted before applying the cleaning solution and thoroughly rinsed with clean water immediately after washing. Failure to strictly follow manufacturer's instruction can result in permanent damage to the finished faces. **DO NOT POWER WASH.** High-pressure power washing is not recommended and may interfere with the performance of the DRY-BLOCK® additives and cause efflorescence.



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MAINTENANCE

Split Face units, properly installed and cleaned, need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents such as PINESOL® or Fantastik®. Graffiti, paint or dye stains may need special cleaning methods and products such as Trenwyth's Graffiti Wizard® environmentally friendly cleaner. Contact manufacturer for specific cleaning recommendations.

INSTALLATION RECOMMENDATIONS

- Cavity wall construction is recommended for exterior walls, with proper flashing, venting and weep holes.
- For best appearance, use stack bond construction when stack bond appearance is desired (as opposed to scored units in running bond).
- A complementary or matching mortar color is recommended when using Split face units.

LIMITATIONS

- The facing is not intended for use as an impervious surface.
- Acid solutions should not be used as a cleaning agent or in direct contact with the facing.

To download a printable version of these specifications, please visit <http://www.trenwyth.com>.