RELATED MATERIALS
Colored matching or contrasting mortar is available from manufacturer. Consult NOMA TEK Notes, available at www.trenwyth.com, for mortar type and specifications. Use manufacturer-approved matching water-repellent mortar additive, following manufacturer’s instructions, in all exterior mortar. Consult manufacturer for recommendations.

In areas that are exposed to excessive moisture, we recommend joints to be raked and filled with BONSAL B-7000 EPOXY. See Mortar Bedding and Jointing for details.

SIZES AND SHAPES
Actual face dimensions shall be 7-3/4” x 15-3/4” forming a 1-1/16” widely spaced groove around the edges of a modular 5-5/8” x 15-5/8” block. Nominal 2”, 4”, 6”, 8”, 10” and 12” standard block thickness shall be used as required, as well as standard and special block shapes. Basic units may include stretchers, jams, and cap and cove bases. Other possible face dimensions are nominal 16” x 16”, 12” x 12”, 8” x 18”, 4” x 16”, 8” x 8”. Semi-solid and solid units shall be used where specified and/or shown on the drawings.

MASONRY CLEANERS
Carefully following the manufacturer’s instructions, use Custom Burnished Masonry Cleaner by PROSOCO (dilute 1 part to 3 parts clean water). Available from manufacturer. Do not powerwash.

CAUTION: The following solvents must never be used as paint removers. Never use Acetone, muriatic acid. Contact your Trenwyth representative for recommendations for hard-to-clean areas.

INSTALLATION RECOMMENDATIONS
- For walls with a glazed finish on both sides, use two single-faced units. Because masonry units are typically installed aligning one side of double-faced units is almost invariably misaligned. Double-faced units are not recommended. Manufacturer accepts no responsibility for face alignment.
- For best appearance, use stack bond construction where stack bond appearance is desired. (as opposed to scored units in running bond).
- All exterior mortar joints must contain a manufacturer-approved water repellent additive.
- For best appearance and water resistance, tuckpoint scored joints on interior and exterior applications.
- Colored matching or contrasting mortar / epoxy is available when using colorful Astra-Glaze-SW+ units. Contact your Trenwyth representative for information.

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 at courses above grade and at any water stops over windows, doors and beams. Consult NOMA TEK Notes, available at www.trenwyth.com, for additional information on flashing.

INSPECTION
The glazed facing shall conform to the requirements of ASTM C744 when viewed from a distance of five (5) feet at right angles to the wall with normal lighting. The concrete masonry units on which the glaze is molded shall conform to the requirements of ASTM C90.

CLEANING
Keep walls clean daily during installation using brushes or rags and a clean damp cloth. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Do not allow mortar lumps or smears to harden on the glazed surfaces. Remove green mortar with a dry cloth. Do not use steel wool, sandpaper or other abrasives.

FINAL CLEANDOWN
Clean the completed walls with Burnished Custom Masonry Cleaner by PROSOCO 3:1 solution, carefully following manufacturer’s washdown instructions—including thorough rinsing. Do not use acid or abrasives on the glazed surfaces.

MAINTENANCE
Astra-Glaze-SW+ units, properly installed and cleaned, need virtually no maintenance other than routine cleaning with typical non-abrasive household cleaner. Graffiti, paint or dye may need special cleaning methods and products such as Trenwyth Graffiti Wizard® environmentally friendly cleaner. Contact manufacturer for specific cleaning recommendations. Do not powerwash.

INSTALLATION RECOMMENDATIONS
- For walls with a glazed finish on both sides, use two single-faced units. Because masonry units are typically installed aligning one side of double-faced units is almost invariably misaligned. Double-faced units are not recommended. Manufacturer accepts no responsibility for face alignment.
- For best appearance, use stack bond construction where stack bond appearance is desired. (as opposed to scored units in running bond).
- All exterior mortar joints must contain a manufacturer-approved water repellent additive.
- For best appearance and water resistance, tuckpoint scored joints on interior and exterior applications.
- Colored matching or contrasting mortar / epoxy is available when using colorful Astra-Glaze-SW+ units. Contact your Trenwyth representative for information.

Astra-Glaze-SW+ Specifications

PART 1 – GENERAL

SUBMITTAL
Submit color samples for selection from manufacturer’s series of colors. Submit product literature, certifications, test reports, full size sample(s) of each color specified or selected. Custom colors are available. Contact Trenwyth (800-233-1924) for details.

QUALITY ASSURANCE
All glazed masonry units shall be Trenwyth Astra-Glaze-SW+—units manufactured by Trenwyth manufacturing facilities.

Glazed concrete blocks manufactured in Pennsylvania shall be lightweight units conforming to ASTM C90. Glazed concrete blocks manufactured in Arizona shall be medium weight units conforming to ASTM C90. The glazed surface shall have a smooth satin-gloss finish, extremely heat-polymerized cast-on facing conforming to ASTM D575 and all applicable Federal Specifications. All Trenwyth units are manufactured with an approved integral water repellent CMU admixture.

Astra-Glaze-SW+ will be manufactured with pre-consumer recycled material. Contact Trenwyth (800-233-1924) for details.

Trenwyth products offer high thermal mass properties, reduce materials and low life-cycle costs. Mold and moisture resistant, the tight, impervious surface of the Astra-Glaze-SW+ units is optimal for sanitary and clean room environments.

The glazed facing is graffiti resistant and easy to clean (never paint or refinish. NO VCO). Available in custom colors and unique shapes and sizes, Astra-Glaze-SW+ units are ideal for interior and exterior applications. The structural integrity of the backing (conforming to ASTM C690) results in a one-step, single-tray installation process.


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. A full size unit is required to illustrate color and texture for approval. Manufacturer requires that a sample panel be installed adjacent to the job to simulate 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. Manufacturer will provide 4” units for a 4” x 4” sample panel at no cost for the material (excluding freight to site).

DELIVERY, STORAGE AND HANDLING
Glazed masonry units shall be delivered to the jobsite on banded pallets with individual protective covers on each base. Nosing or VCO. Store units in a dry location protected from moisture and inclement weather. Banded pallets with individual protective covers on each base units to the desired height. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulin) to protect the blocks from inclement weather.

Handl e blocks carefully to avoid breakage and damage to the finished surface.

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. Care should be taken to remove the moisture from the glazed faces of units before it sets.

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 insulaton.
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. Rinse back the joint when epoxy (BONSAL) is to be used on select jobs that require better moisture prevention.

Various masonry mortars may be used with Astra-Glaze-SW+ concrete masonry units depending on specific structural requirements for the finished walls. We recommend a matching water-repellent mortar additive (available for purchase from manufacturer). Follow manufacturer’s instructions in all mortar applications.

EPOXY FINISHED JOINTS
In areas exposed to excessive moisture, make sure to tool mortar joints with a minimum of 1/4” and tuckpoint with an approved water-resistant grout. A typical tuckpointing grout is BONSAL® POLYMER MODIFIED SANDBLASTED TILE GROUT mixed with the BONSAL B-7000 EPOXY. Do not add water or anything else in addition to the B-7000, which will make it a 100% solid enabling it to be acid and stain resistant.

Recommendation for using BONSAL® - DO NOT FILL GROUT ACROSS GLAZED SURFACE. THE PROPER TECHNIQUE IS TO POINT OR USE A MORTAR GUN!