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# CERAMIC GLAZED MASONRY TIPS & GUIDELINES FOR MASONS

Ceramic glazed masonry products can be built into project wall applications with typical masonry construction practices. No unique skills or equipment are required. In handling ceramic glazed masonry products, some precautions are necessary to avoid chippage. However, because of their impervious, lasting finish, most ceramic glazed masonry products are resistant to staining or job site conditions that could contaminate other products. Several construction tips for proper use and handling of glazed masonry products are available. Check-out these topics for ease of use ideas and recommendations to assist you in your applications.

## Planning Tips

### ***Planning for Glazed Brick and Structural Glazed Tile***

- Order material at least 2 months ahead of delivery (lead times may vary).
- Shape sheets are available from your supplier.
- Quoins (corners) must be ordered as a shape.
- Are headers and sills glazed?
- Quantity take-off and/or detailing services are available.
- Request a field panel for material quality and workmanship guidelines.
- *Additional things to consider when figuring Structural Glazed Tile (SGT):*
- Horizontal or vertical core holes/cells to accommodate rebar?
- Quoins/Starter corners must be ordered as a shape; Are they bullnose or square?
- Internal corners square or cove?
- At windows and doors consider the type of frame being used to determine jamb and lintel units required. E.g.) If bullnose jamb and lintel, a miter shape will be needed for the transition at the corner (bonding pattern and series size will determine the miter shape needed). Wrap around door frames only need stretchers.
- If Cove Base Required: Recessed (1/2" lip) or Non-Recessed (feather edged)?
- Cove Corners, external and internal, see shape sheet for specific unit (s)
- Cove base corners, miters and cap corner units come as right hand and left hand units. See shape guides for correct unit. Remember only one may be shown on the shape sheet, however, the opposite "mirrored" unit is also available.
- Are fire rated units required anywhere? Order units with configurations meeting specific hourly fire resistance requirements.
- Any questions call your supplier.



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## **Material handling Instructions**

### **Upon Delivery**

Take normal precautions when handling ceramic glazed material by wearing approved protective eye wear, gloves, and clothing as directed in the Material Safety Data Sheet. Any questions call your supplier.

### **Delivery of Material at the Job Site**

- Do not place material directly on the ground for storage.
- Do not double stack cubes of material.
- Check delivered units for accuracy. Call before use if any problem or discrepancy.
- Never touch areas where the ceramic glaze has been broken or chipped to avoid cuts.
- Sequence material in the order of use at the staging area as it is delivered.
- Keep units in the factory packaging (keep in paper trays with dividers) until ready to be placed in the wall by the bricklayer.
- Does not use brick Tongs.
- Do not pitch or toss units.
- Stack unused material in a protected area and cover to keep clean and dry.

### **Preparation for Installation (also read above information)**

- Lay-out units before placing units in the wall.
- Checkpoints marked every 3-4 feet to ensure proper joint spacing.
- Lay out first course without mortar to determine head joints. Avoid cutting when possible
- If cut pieces are necessary, try to use at door jambs, corners or non-visible areas.

### **Installation of Ceramic Glazed Units (also read above information)**

- Always follow the BIA (Brick Industry Association) recommendations.
- Interior construction should be well lighted.
- Do not use metal tools on glazed faces.
- No glazed faces in the mortar joints unless scored with a saw blade for bonding.
- Build the corner or lead the same as with face brick.
- Keep mortar joints uniform at 3/8" (or as specified), except for minor variations as required to maintain bond.
- Use full, unfurrowed bed and head joints.
- If you are not sure about a unit, ask before placement.
- Look for uniform color as you go.
- Chipped or damaged units should be set aside for use as "cuts" as job progresses.
- Never use a cut piece less than 4" in length on SGT.
- Cutting, drilling, and repairing directions available from supplier.

