

## Spectra-Glaze Glazed Block SPECIFICATION SPECIFICATIONS

(Cross-out, add and edit to suit local practices and local availability.)

### Pre-Faced Concrete Masonry Units

#### Part 1 – General:

This section covers information specific to pre-faced concrete block and its installation.

**Related Work:** Usual requirements for block work, mortars, reinforcing and other details applicable to the concrete block portion of this product shall be in accordance with the Sections covering these items (or) shall be in accordance with best practices for block work, all proposed products and execution subject to prior approval.

#### General Conditions and Other

**Requirements:** (define)

**Submissions:** Supply complete product literature, color kit, test report copies, representative shapes.

**Sample Panels:** Construct a panel at least 4' x 4' for each color. Include all block types and sizes to be used in that color. Do not remove panels until building has been accepted.

**Delivery:** Palletized with individual faces protected.

Keep dry.

**Storage and Handling:** Keep dry. Store on level ground. Do not double stack pallets. Avoid excess movement before installation.

**Job Conditions:** Follow ordinary good practices for concrete block work; suitable temperature and lighting.

#### Part 2 – Products:

**Pre-Faced Concrete Block:** "Spectra-Glaze® II Units."

**Manufacturer:** Licensed or authorized in writing by The Spectra Group through Spectra Industrial Licensing Corporation, Baltimore, Maryland.

**Facing Components:** Facing ingredients must be Spectra-Glaze® Compound made with Spectra-Glaze® polymers, supplied to approved manufacturers by Spectra Materials Corporation, a Spectra Sciences, LLC company, and other ingredients as required to meet or exceed Spectra-Glaze® Block product standards including ASTM C 744.

**Pre-Faced Surfaces:** Interior use – smooth, colored satin finish conforming to the most up-to-date official Spectra-Glaze® product standards published by Spectra Industrial Licensing Corporation and the Spectra Group and ASTM C 744. Exterior use – smooth, satin finish, conforming to ASTM C 744, ASTM C 67, paragraph 8 (freeze-thaw) and Thermal Shock Test B100JL, 24P.

**Colors:** Select from Manufacturer's established or custom colors. All Standard, Vari-tone®, or Special Colors™ Series must conform to ASTM C 744.

**Surface Burning Characteristics of Facing:** ASTM E 84; flame spread less than 25; fuel contribution 0; smoke density less than 50. Products of combustion considered non-toxic as determined by BRC 4690 (toxicity testing).

**Types:** Plain, scored, engraved, embossed and/or sculptured faces; extent of each as shown.

**Glazed Face Sizes & Joints:** Modular 8"x16", 4"x16", 8"x8", 12"x12", 16"x16" including 1/4" exposed face joints; sizes as shown; long dimensions, horizontal or vertical as shown.

**Concrete Block for Glazing:** ASTM C 90 for hollow and solid load-bearing units; Type 1 (moisture controlled). or exterior use require Block-Rite™ integral efflorescence control system.

**Exterior Use:** For enhanced durability, use Spectra-Glaze® Plus units and water based epoxy grout or mortar enhanced with water based proofing systems using Crete, WRG. Crete, etc mortar with additives.

**Hourly Fire Ratings for Concrete Block:** (define)

**Concrete Block Sizes Before Glazing:** Modular; 2", 4", 6", 8", 10", 12" thickness as needed.

**Through-The-Wall Units:** Use pre-faced block thickness equal to nominal wall thickness where possible.

**Shapes:** Provide shapes to suit the condition shown.

**Jointing Tools:** Use glass 5/8" for concave joints; clean, non-staining metal tools elsewhere. Replace worn tools promptly.

**Mortars:** (define)

**Related Products:** Provide setting mortar, horizontal wire reinforcing, ties and anchors and other accessories needed to properly complete the work.

**Wiping Rags:** Select clean cotton waste or equivalent.

**Cleaning Compound:** Use masonry detergent cleaners such as Spectra<sup>®</sup> brand of cleaners, Vana-trol<sup>®</sup> or Deox<sup>®</sup> in strict accordance with each manufacturer's directions. **Do not use any product containing unbuffered hydrochloric acid or other unbuffered acids.**

### Part 3 – Execution:

Inspect related conditions; do not start at any location until all adverse conditions at the location have been corrected.

**Lighting:** Do no work without proper lighting.

**Floor Surface:** Test for straightness, levelness. Notify job superintendent where grinding or troweled filler corrections are needed.

**Aligning Base Course:** Do not set base course to follow an inaccurate floor line.

**Cove Base at Thin Floor Coverings:** Set cove base tight to a straight, level floor so edge of floor covering will hide the joint.

**Workmanship:** Align glazed faces plumb, level and true to line; uniform joint widths carefully tooled; joints arranged neat and symmetrical, cut units sized and located for best appearance; free of imperfections detracting from overall appearance when viewed at 90 degrees from 5 feet.

**Cutting:** For all cuts, including chases, holes and notches for pipes, switch boxes, etc., use saw and other power tools.

**Jointing:** Except where tuckpointing is noted, strike and tool setting mortar.

**Tuckpointing:** Rake out joints at least 1/4". Tuckpoint with the required mortar type. Do not use smeared grout method to fill joints.

**Scored-Face Block:** Lay block in stack bond when aligned vertical joint appearance is required. Rake setting mortar 1/4" and allow to dry. Tuck point raked joints and scored joints at same time.

**Horizontal Reinforcing:** Use in accordance with best practices for concrete block work and applicable building codes.

**Vertical Control Joints:** Use in accordance with best practice for concrete block work.

**Exterior Weep Vent Installation:** Use weep vents at least 4" long in vertical joint for every second block in base course immediately above grade and immediately above flashing, bond beams, solid fill or other water-stop locations.

**Exterior Wall Coping:** Use continuous metal with 6" minimum overhand, or maximum length stone or pre-cast (define flashing and overhand). Exposed joints must be raked back at least 1/4" and caulked with (define) flexible, waterproof sealant in accordance with manufacturer's direction.

**Keep Glaze Clean:** Wipe off all mortar smears and spatters at once, using clean, soft, damp rags. Do not allow hardening.

**Final Cleandown:** Use industrial strength detergents in strict accordance with cleaner manufacturer's instructions, including thorough rinsing. Damp-dry with clean, soft rags. Do not use steel wool, other abrasives or any product containing unbuffered hydrochloric acid or other acids.

## MAINTENANCE

Spectra-Glaze® units, properly erected and cleaned after construction, should require very little maintenance other than normal cleaning procedures. Commercial cleaning agents such as pine oils or industrial detergents are recommended in most instances but some paints and special marking inks not soluble in usual cleaning materials may require special cleaning procedures. Contact your local representative.

## RECOMMENDATIONS

Keep overhead lighting at least 3' from the plane of a masonry wall to avoid unsightly shadows.

Use flush mounted, full wythe modular door frames to insure a neat appearance of masonry walls and reduce cost by deleting cuts and special shapes.

With scored units, broken bond patterns reduce the cost of installation.

With scored units, always use stack bond construction when stack bond appearance is selected.

Use double faced (ST) units through-the-wall only when tight bed depth tolerance or second face alignment is not mandatory.

Cavity wall construction (2" minimum cavity) should be used for all exterior walls, with weep vents (rather than weep holes or wicks) every 32" top, bottom and above all water stops for proper venting and control of water penetration.

For through-the-wall construction, glazed one side, use sled runner tool to strike joints on exposed block side of wall.

Strike concave joints in Spectra-Glaze® block walls with at least 5/8" jointing tool.

For exterior Spectra-Glaze® walls, always rake exposed mortar joints back 1/4" and tuckpoint with epoxy mortar or other waterproof systems.

For concrete masonry construction, use wall reinforcing and control joints in accordance with established procedures to accommodate wall movement and prevent wall cracking. See NCMA TEK bulletins 3, 44, 53.

Always consider a complimentary mortar color for use with decorative masonry units.

Use factory-cut unit for mitered corners, for better alignment and reduced cost.

When laying Spectra-Glaze® units, adjust raw block bed joints, head joints and coursing to assure alignment of glazed facings and uniformly wide mortar joints (approx. 1/4" exposed).