

Part 1 – General

SUBMITTAL

In accordance with Section 01350 submittal procedures, submit color samples for selection from manufacturer's series. Submit product literature, certifications, test reports and full size sample(s) of each color specified. Provide current integral water repellent CMU producer qualification.

QUALITY ASSURANCE

Certifications: Brushed Face Masonry Units are hollow or solid load bearing concrete masonry units with one or more faces or ends ground using a minimum three-stage vertical spindle/ polishing machine to expose carefully selected aggregates complying with ASTM C33. Units are manufactured by means of moisture controlled curing for 24 hours minimum, and allowed to further cure a minimum of 20 days before beginning brushing process. Concrete blocks for brushing shall conform to ASTM C90 for Normal weight. Brushed surfaces are produced unsealed. A factory applied sacrificial sealer may be applied upon request. All units contain an integral water repellent CMU admixture at the time of manufacture. Units shall conform to ASTM C744 with respect to abrasion, crazing resistance, and color change.

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 6' containing each color and size units to be used in the project illustrating color, clear sealer finish, texture, and mortar joints to establish a standard of quality for completed work. Retain mock-up during construction as a quality standard. Completely remove when work is accepted.

DELIVERY, STORAGE AND HANDLING

Brushed Face Masonry Units shall be delivered on covered wood pallets with protective layers between courses to protect brushed faces. Store in protected area and covered to ensure units remain dry and clean. Do not allow units to sit in standing water. Handle masonry units in manner to avoid chipping, breaking, contact with contaminating materials, and marring of brushed faces.

Part 2 – Products

PRODUCT NAME

Brushed Face Masonry Units

MANUFACTURER

Nettleton Concrete, Inc. (800) 382-2462
2318 Moore Rd. · Jonesboro, Arkansas 72401

RELATED MATERIALS

Colored matching or contrasting mortar is available from the manufacturer. For all exterior mortar, use matching manufacturer approved water repellent mortar additive, following manufacturer's instructions. For final sealing, Bright Kure & Seal manufactured by TK Products, or approved equal, is to be applied as directed by manufacturer's recommendations after CMUs have been installed, cleaned, washed, and dried.

SIZES AND SHAPES

Nominal 4", 6", 8", 10" and 12" standard block thicknesses are available as well as all standard block shapes. High-strength units for special structural requirements and oversized Megastone units are also available.

WATER REPELLENCY

Brushed Face Masonry Units are manufactured with RainBloc® integral water repellent, or approved equal, to assist in controlling efflorescence. Use of RainBloc® mortar admixture, or approved equal, according to manufacturer's recommendations is required for a water repellent wall.

MASONRY CLEANER

Use masonry cleaners such as Light Duty Concrete Cleaner, manufactured by Proso, Inc. Do not apply cleaner with a pressure sprayer above 50 psi.

Part 3 – Execution

INSTALLATION

Install Brushed Face Masonry Units as part of unit masonry work specified in Section 04850 - Unit Masonry Assemblies. Always lay blocks from more than one pallet at a time during installation. Complete masonry construction using procedures and workmanship consistent with quality masonry practices.

Cutting: Field cut Brushed Face Masonry Units with motor-driven masonry saws using an abrasive or diamond blade to provide straight true edges and avoid damage to brushed face. Do not install chipped or broken units.

Mortar Bedding and Jointing: All mortar joints should be tuckpointed for the appropriate appearance. For external applications, tuckpoint joints to control water penetration. Raked joints are not recommended for any application.

Protection: During erection, cover top of walls with waterproof sheeting at end of each day. Cover partially completed walls when work is not in progress. Extend cover 24 inches minimum down both sides and hold securely in place. Protect face of walls, sills, and other projections from roof run-off, splashed water, mud, grout, and mortar. Spread sand or straw at base of walls to minimize dirt and clay splashing onto brushed faces. Without damaging completed work, it is recommended to provide protective boards at exposed external corners which may be damaged by construction activities.

INSPECTION

Faces of units exposed in finished work shall be of uniform color and texture and free of chips, cracks, or other imperfections detracting from appearance of the finished wall when viewed from a distance of fifteen (15) feet at right angles to the wall under normal lighting conditions.

FLASHING OF MASONRY WORK

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

WEEP HOLES AND VENTS

Install weep holes and vents at proper intervals at courses above grade, above flashing, and at any water stops over windows, doors and beams.

CLEANING

Exercise care that wet mortar is not splashed onto brushed face during installation. Excess or splashed mortar shall be cleaned from face with dry burlap wipe or masonry brush. Remove after mortar becomes hard enough not to smear but prior to mortar setting.

FINAL CLEANDOWN

Clean completed wall surfaces using masonry cleaners such as Light Duty Concrete Cleaner, manufactured by Proso, Inc. Dilute cleaning solution as recommended by manufacturer. Strictly follow manufacturer's cleaning instructions. Do not use acid or abrasives on finished surfaces. Do not powerwash. High pressure powerwashing may interfere with performance of the integral water repellent causing efflorescence.

MANDATORY FIELD APPLICATION

For finished walls that have been cleaned, washed, and dried, apply a jobsite application of Bright Kure & Seal manufactured by TK Products or equivalent as directed by manufacturer's recommendations.

MAINTENANCE

Brushed Face Masonry Units, properly installed, cleaned, and sealed, need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents. Contact manufacturer for specific cleaning recommendations.