

Product Specifications: Acousta-Wal®

PART 1-GENERAL

SUBMITTAL

Submit product specifications, material test reports and full size sample(s).

QUALITY ASSURANCE

Unit shall be manufactured to meet ASTM C-90. Production shall be monitored so that the top of the units shall be completely closed and edges of slots and ends of blocks shall be straight and clean. Type IV units shall have fillers as supplied by manufacturer, inserted in the cavities at the block plant. Filler material shall be cut accurately to size and installed as recommended for the type of Acousta-Wal units specified. All units contain manufacturer approved integral water repellent CMU admixture at the time of manufacture.

Fire Resistance: Define hourly ratings by NCMA TEK Notes, available at EchelonMasonry.com or Table 722.3.2 of the 2012 International Building Code.

Field Constructed Mock-Ups: Construct a sample panel, no less than 4'x4' of units of each color and Size to be used in the product

Manufacturer requires ordering a full-size unit to illustrate color and texture for approval. Manufacturer requires that a jobsite panel be Installed at the jobsite prior to installation of any Acousta-Wal product. This panel will represent both the quality of the product and workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide enough material for a 4'x4' sample panel at no cost, excluding the freight to the site.

DELIVERY, STORAGE, HANDLING

Acousta-Wal units shall be delivered to the jobsite on covered banded pallets. Store pallets in single-stacks on level ground and cover with waterproof covering 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

PART II- PRODUCTS

PRODUCT NAME

Acousta-Wal sound absorbing cmu.

Finishes include:

- >Ground Face
- >High Polish
- >Shot Blast
- >Gray Smooth Face
- >Colored Smooth Face

MANUFACTURER

Adams Products 919-467-2218
5701 McCrimmon Parkway
Morrisville, NC 27560

Northfield Block 800-358-3003
3400 Bungalow Road
Morris, IL 60450

Superlite Block 800-331-9823
4626 N. 42nd Ave.
Phoenix, AZ 85019

SIZES AND SHAPES

Acousta-Wal surfaces are manufactured to provide finished dimensions of 7 5/8" x 15 5/8" +/- 1/8" long. Contact manufacturing plant for size availability.

PART III EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include a manufacturer approved 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 notes, available at NCMA.org, for hot and cold weather construction

Acousta-Wal units shall be installed by the General Contractor or mason contractor. Installation of Acousta-Wal blocks shall be consistent with the best concrete masonry practices. Only quality units shall be used.

Acousta-Wal blocks shall be laid in running bond or stacked bond as specified with the closed tops up. The units shall be laid in a full horizontal bed of mortar. The slots shall face toward the room or area where sound absorption is required as shown on the plans. Slots shall be kept free of mortar and debris and the exposed mortar at the bottom of each slot shall be neatly tooled. **NO RAKE JOINTS.**

INSTALLATION

Provide adequate lighting and work by placing lighting at a reasonable distance for even illumination. Don 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

In all exterior mortar, we recommend using an approved water repellent additive, following manufacturer's Instructions. Consult manufacturer for recommendations.

FLASHING OF MASONRY WORK

Install flashing at locations shown in strict accordance with the details and 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 CMHA TEK Notes at CMHA.org for proper flashing and drawings.

INSPECTION

The ground face, high polish, shot blast, and smooth face units shall conform to the requirements of ASTM C-90 when viewed from a distance of 20 feet right at angles to the wall with normal lighting.

INSTALLATION RECOMMENDATIONS

The Acousta-Wal blocks must be laid in a full horizontal bed of mortar and laid with the closed tops up. The slots should face toward the noise source. Slots must be kept free of mortar. The exposed mortar at the bottom of each slot should be neatly tooled and all debris removed.

NO RAKE JOINTS.

Under no circumstances should the units be laid upside down; that is, with the closed tops down. First, it would be impossible to lay the units in a full horizontal bed of mortar if the units are laid upside down. Second, excess mortar would fall into the slots, giving an unsightly appearance. If the cavity volume were reduced by more than 5 to 10% due to mortar falling inside, the acoustical performance of the units would be altered.

All Acousta-Wal concrete masonry units are manufactured with an integral water repellent. The admixture is mixed through the block at time of manufacturing and lasts for the life of the product. Mortar must also be treated at the time of installation.