

Product Data Sheet

PRODUCT NAME

Split Face Concrete Masonry Units

MANUFACTURER

Air Vol Block
1 Suburban Rd
San Luis Obispo, CA 93401
805-543-1314
airvolblock.com

PART 1 - GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's offering. Submit product data sheet, certifications, and sample(s) of each color specified.

QUALITY ASSURANCE

Certifications: Concrete blocks for finishing shall conform to ASTM C90(current version).

Units may contain pre-consumer and post-consumer recycled content. Contact your Air Vol Architectural representative for details.

Air Vol products offer high thermal mass properties, regional materials and low life-cycle costs, mold resistance and will last the life of the building. No VOC's. Available in a wide color selection. In addition, custom colors can be provided. Split Face units are ideal for exterior applications. The structural integrity of these units results in a one-step, single-trade installation process, allowing a finished surface both interior and exterior.

Fire Resistance: Define hourly ratings required by NCMA TEK Notes, available at www.ncma.org.

Field Constructed Mock-Up

recommended: Construct a sample panel separate from in field construction, with each color and texture to be used in the project.

A full-size unit is preferred when available to illustrate color and texture for approval. Manufacturer recommends a sample panel be installed at the jobsite prior to installation of any Air Vol product. This panel will represent both the quality and the color range of the product and the workmanship to be expected for the project. Either the owner or architect for the project must approve the panel.

DELIVERY, STORAGE AND HANDLING

Air Vol CMU (concrete masonry units) shall be delivered to the jobsite. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) 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. 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. Corners should be protected from damage after installation.

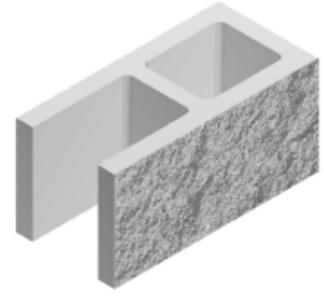
PART 2 - PRODUCTS

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RELATED MATERIALS

Colored matching or contrasting mortar is available from Air Vol. Consult the manufacturer at airvolblock.com for mortar type, colors available, and specifications.

SIZES AND SHAPES

- Nominal 2", 4", 6", 8", 10" and 12" and 16" standard block widths are available
- Nominal 8" high and 16" long
- Half units available as well.
- High-strength units for special structural requirements and over-sized units are also available.

MASONRY CLEANERS

Carefully follow manufacturer's instructions. Use Custom Masonry Cleaner by PROSOCO. Light sand blast method is acceptable. Do not high-pressure power-wash walls.

Follow all safety and environmental regulations.

Sample cleaning on test panel recommended for final approval of the best method for that texture.

PART 3 - EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. Refer to NCMA TEK Notes, available at airvolblock.com, for Hot and Cold weather construction practices.

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Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90-current edition. lay blocks with the faces level, plumb and true to the line strung horizontally at the finished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are thumb print hard. Make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use direct 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

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 insulation.
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 any voids in mortar to prevent water penetration. NO RAKE JOINTS for exterior applications. Concave joints recommended on the weather exposed surface.

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. Consult NCMA TEK Notes, available at airvolblock.com, for additional flashing information.

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.

INSPECTION

The textured faces shall conform to the requirements of ASTM C90-current edition when viewed from a distance of twenty (20) feet to the wall with normal lighting.

CLEANING

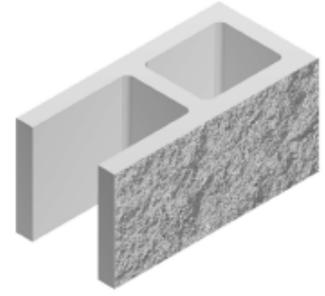
Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the surface of the blocks.

FINAL CLEANDOWN

Clean the completed walls with PROSOCO Custom Masonry Cleaner strictly following the manufacturer's instructions – including thorough rinsing. Failure to follow manufacturer's instructions can result in permanent damage to the finished faces.

Light sand blast method is acceptable following all safety and environmental regulations.

Do not high pressure power wash.



MAINTENANCE

Air Vol Split Face concrete masonry units, properly installed and cleaned, need virtually no maintenance other than routine cleaning. For tough stains, contact manufacturer for specific cleaning recommendations.

LIMITATIONS

- The facing is not intended for use as an impervious surface.
- Integral water repellents and or Concrete Masonry Sealers are strongly recommended with Air Vol Concrete masonry units.

LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the date the product was purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective product or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.