



Pro Tip

- When securing the frame, keep the vent cover in place to ensure the frame remains square.
- A minimum 10-inch feathering of drywall compound helps achieve a truly seamless finish.
- Allow each coat of drywall compound to dry completely before applying the next or sanding.
- Ensure the vent cover is removed during the mudding and sanding process to prevent debris from entering the vent slots.

Installation Steps

Locate and Mark

- Choose the installation area on the wall or ceiling.
- Place the CliqueElite vent against the surface and trace its outline with a pencil.
- Use a level to ensure proper alignment.

Prepare the Opening

- For new installations: Cut along the traced outline using a drywall saw or utility knife.
- For existing openings: Adjust the opening size if necessary to fit the CliqueElite vent.
- Ensure the metal frame with holes sits flush to the outside of the drywall, while the frame bed sits inside the drywall opening.

Fit and Adjust

- Dry fit the back of the metal frame into the cut hole to ensure a proper fit.
- If your ductwork is sticking out past the drywall, cut it back to fit flush with the drywall.
- If needed, add wooden backing for additional support behind drywall.

Secure the Frame

- Keep the vent cover in the frame to ensure it remains square during installation.
- Ensure the metal frame is sitting flat and flush to the drywall.
- Secure the frame using 1-1/4" fine-threaded drywall screws.
- Space screws 6 to 8 inches apart, fastening through the frame holes into the drywall and wood backing/stud.

Remove Vent Cover

- After securing the frame, remove the vent cover insert.
- To remove, press down on the two bottom corners of the insert, tilt, and remove.
- Set the vent cover aside until mudding is complete to prevent mud from entering the vent slots.

Apply Drywall Compound

- Use drywall tape and compound to cover the seams around the frame.
- Feather the compound at least 10 inches beyond the frame edges for a seamless blend.
- For the first coat, use a setting-type compound like Dura90 or equivalent.
- Allow the first coat to dry completely.

Sand and Finish

- Apply a second (and if necessary, third) coat of drywall compound using a pre-mixed joint compound.
- Once dry, sand the area smooth.
- Clean the surface thoroughly to remove all dust.

Paint

- Paint the wall or ceiling area around the frame to match your desired color.
- The vent cover is pre-primed for convenience. Paint it separately to match your desired wall color before reinstalling.

Install Vent Cover

- Once paint is dry, reinstall the vent cover into the frame.

Important Notes

- When installing CliqueElite Removable Air Returns in the ceiling, ceiling clips must be used to ensure the vent cover is as secure as possible once installed.
- If installing a vent with a diffuser, bend back the flaps for the desired airflow before installation.

SPECIFICATION SHEET

BREEZELUX 6x12

WALL AND CEILING SUPPLY VENT

DETAILS

Designed for 12" x 6" duct openings
Magnetic access
Flush-mount design
Removable panel
Compatible with 1/2" and 5/8" thick drywall
CFM Airflow at 500 Core Velocity exceeds 137

FEATURES

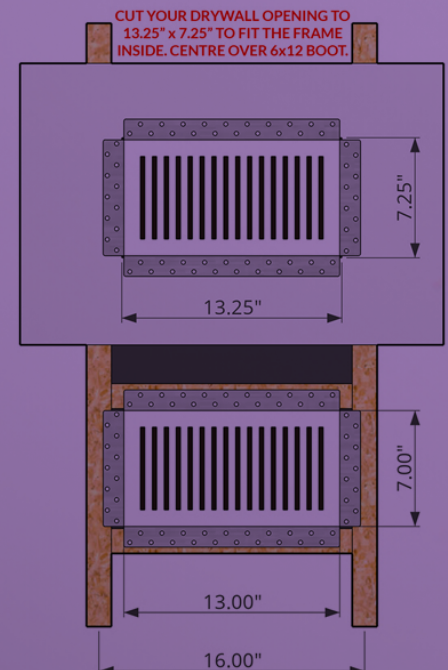
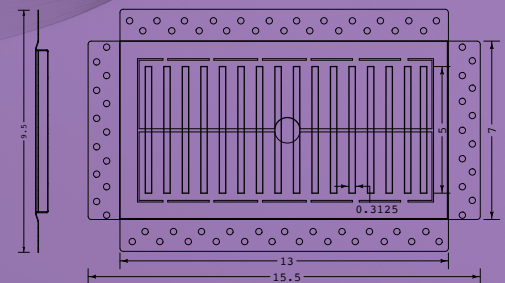
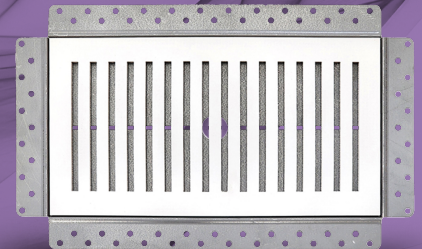
Seamless integration with drywall ceiling or wall
Easy installation and access for airflow adjustment
Moisture, mold, and water-resistant
Pre-primed surface ready for custom finishing
Non-flammable materials
Machine beveled outer edges for easy installation
Ideal for: Spaces requiring discreet air supply solutions

PRODUCT SPECIFICATIONS

Size: 15.5" x 9.5" x 0.5"
Vent Cover Dimensions: 13" x 7"
Fits into drywall opening: 13.25" x 7.25"
Frame material: Durable 24 gauge galvanized steel with beaded edge
Panel material: Triple fibre reinforced cement board
Finish: Pre-primed white
Installation method: Frame installation followed by panel attachment
Closure mechanism: Magnetic
Moisture resistance: Yes
Mold resistance: Yes
Water resistance: Yes
Drywall compatibility: 1/2" thick
Application: Drywall ceilings and walls
Slot configuration: 16 straight vertical slots, each 5" x 5/16"

MATERIAL SPECIFICATIONS

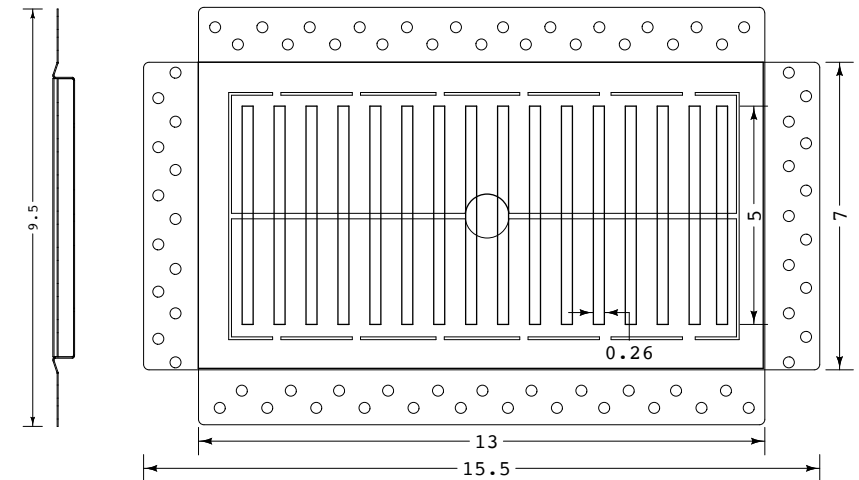
Raw Material: Cement, fibres, quartz sand, non-hazardous fillers
Density: $1.0 < D \leq 1.2$ g/cm³
Asbestos Content: 100% asbestos-free
Fire Resistance: non-combustible
Water Absorption: $\leq 40\%$
Resistant Bending Strength: ≤ 10.5 MPa dry
Moisture Movement: 0.25 %
Freeze Thaw: No distortion after 25 repeated cycles of freezing and thawing



BREEZE LUX

AIR FLOW

DATA SHEET



Wall & Ceiling Supply Vent

Product Identifier	Opening Width [in]	Opening Height [in]	Core Area [ft²]	Core Velocity [FPM]	300	400	500	600	700	800	1000	1200	1400
				Core Velocity Pressure [“wc]	0.006	0.010	0.016	0.022	0.030	0.040	0.062	0.090	0.122
BL612	9	5	0.3125	Flow [CFM]	63	85	106	127	148	169	212	254	296
				Static Pressure [“wc]	0.016	0.029	0.045	0.065	0.088	0.115	0.180	0.259	0.352
				Throw [ft] (150 100 50)	3 4 8	3 5 10	4 6 13	5 8 15	6 9 18	7 10 20	13 25	10 15 30	12 18 35

tested by:  Airflow Sciences Corporation

Notes:

1. The test procedures are based on ASHRAE 70.
2. Core Velocity – The average airstream velocity at the face of the grille, measured in feet per minute.
3. Core Velocity Pressure – The dynamic pressure of the airstream at the grille face. This pressure is relative to the core velocity and reported in inches of water (”wc).
4. Flow Rate – The volumetric rate of airflow through the grille, measured in cubic feet per minute (CFM)
5. Static Pressure – The air pressure difference across the grille at a given flow rate or velocity, measured in inches of water (”wc).
6. Throw – The distance away from a supply grille (i.e. perpendicular to the grille face) where the airstream velocity has slowed to a particular envelope velocity.

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) provides detailed information for Armormega, a high-performance cement-based board with versatile applications for both exterior and interior use. Designed for use as sheathing, ceiling board, drop ceiling, siding, wall board, tile backer board, and underlayment, Armormega is a safe and durable material. It features a very mild odor and is non-toxic, non-explosive, and non-hazardous, making it an ideal choice for a wide range of construction projects.

Armormega prioritizes safety without compromising on strength or versatility.



PRODUCT INFORMATION

TRADE NAME: ARMORMEGA (Cement-Based Board)

USES

- | | |
|------------------|---------------------|
| Exterior: | Interior: |
| • Sheathing | • Wallboard |
| • Ceiling Board | • Ceiling Board |
| • Drop Ceiling | • Tile Backer Board |
| • Siding | • Siding |
| • Cladding | • Underlayment |
| • Trim Material | • Trim Material |

COMPOSITION INFORMATION†

SUBSTANCE NAME	PROPORTION BY WEIGHT (%)	HAZARD CLASS
Magnesium Oxide	36	None
Magnesium Sulphate	23.5	None
Perlite	2.1	None
Filtered Wood Bre	7.6	None
Reinforcing Mesh	0.1	None
Water	17.2	None
Other	13.5	None

† These combined ingredients do not emit volatile organic compounds (VOC's)

PHYSICAL AND CHEMICAL PROPERTIES

CATEGORY	PROPERTY
Appearance	Various colours, varying dimensions
Physical State	Very mild
Vapour Pressure	Not Relevant
Specific Gravity	Not Relevant
Flammability Limits	Not Relevant
Boiling Point	Not Relevant
Melting Point	Not Relevant
Flash Point	Not Relevant
Autoignition Temperature	Not Relevant
Volatility	Not Relevant
Solubility In Water	Not Relevant
Evaporation Rate	Not Applicable

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Non-toxic, non-explosive, non-hazardous

PRIMARY ROUTES OF ENTRY

Eyes: Dust may irritate the eyes from mechanical abrasion, causing watering and redness.

Skin: Dust may cause irritation of the skin from friction but cannot be absorbed through intact skin.

Ingestion: If swallowed, dilute by drinking large amounts of water. Seek medical attention.

Inhalation: Immediately leave the area and find a space with fresh air. If shortness of breath or wheezing develops, seek medical attention.

Advice to Physician: Treat symptomatically.



TRANSPORT INFORMATION

There are no special requirements for storage and transport of ARMORMEGA.

IDENTIFICATION	VALUE
UN Number	None Allocated
Dangerous Goods Class	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	None Allocated
Packing Group	Not Applicable
Label	Not a DOT hazardous material

OTHER INFORMATION

This material is categorized as Non-Hazardous for transportation purposes. The information contained herein is accurate to the best of all available knowledge at the time of printing. Hazardous conditions due to alterations of the material have not been established.

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