

AIR GUARD®

the **cool** choice.™

AIR GUARD® CABLE SEAL PRODUCT LINE

The Air Guard® Cable Seal product line from PDU Cables, manufacturer of prefabricated underfloor power distribution cables, is used to seal access holes required for cable routing through the data center floor.

An immediate “energy-savings” benefit is realized by using the Air Guard® Cable Seal product line. These products significantly minimize cool air loss, while improving the static pressure to cool data center equipment, which helps prevent expensive electrical equipment from overheating.

Advantages of the Air Guard® Cable Seal product line:

- ∴ Provides an exceptional seal around cables for an effective and economical solution towards eliminating bypass air through cable cutouts.
- ∴ Reduces air loss in plenum cooled floors and increases under-floor static pressure.
- ∴ Improves cooling efficiencies and extends cooling equipment longevity.
- ∴ Seals cable openings with an overlapping brush and/or EPDM gasket material to help prevent under-floor contamination.
- ∴ Allows flexibility and simplicity in cable routing.
- ∴ Floor tiles can be removed without disconnecting equipment.
- ∴ Flame retardant ABS polycarbonate material provides a finished look on all raised floor panels; the solid construction and the textured surface compliments all floor coverings.
- ∴ ABS and Nylon Polymers carry a VO rating per the ANSI/UL94 Standard for "Tests for Flammability of Plastic Material for Parts in Devices and Appliances".
- ∴ 2008 NEC code compliant with requirements of Article 645.5 (D)(5).
- ∴ RoHS compliant.
- ∴ Installation is simple and inexpensive.

AIR GUARD® FLUSH MOUNT

- ∴ The Flush Mount is used when making new installations in your data center to maximize energy efficiency.
- ∴ Two Air Guards can be installed together for applications that require large bundles of cables.
- ∴ Designed with a removable back-brush feature that allows removal of floor tiles without disconnection of cables. This feature also allows large connectors to pass through the grommet without the need for an over-sized cutout.
- ∴ The integrated trim saves time and labor; eliminating the need to cut individual trim fittings.
- ∴ Includes mounting hardware and cutout template.
- ∴ Dimensions:
 - Cutout - center installation: 10.25" X 4.5"
 - Cutout - edge installation: 10.25" X 5.25"
 - Usable area - 9.0" X 3.0"
 - Overall - 13.0" L X 6.25" W
- ∴ Part Number: 116-800-001.



AIR GUARD® SAFETY COVER

- ∴ The optional Safety Cover fits over the Flush Mount to provide a solid surface for increased durability and safety when cables are not going through the floor.
- ∴ OSHA may require the Safety Cover on construction sites**
- ∴ Allows for easy maneuver of equipment over floor cutouts.
- ∴ Dimensions: 4.0" X 10.0"
- ∴ Part Number: 116-800-002.



Air Guard® Flush Mount with Safety Cover



Safety Cover

****OSHA statute:**

- ∴ **1910.23(a)(8)** - Every floor hole into which persons can accidentally walk shall be guarded by either:
 - ∴ **1910.23(a)(8)(i)**- A standard railing with standard toeboard on all exposed sides, or
 - ∴ **1910.23(a)(8)(ii)**- A floor hole cover of standard strength and construction. While the cover is not in place, the floor hole shall be constantly attended by someone or shall be protected by a removable standard railing.

AIR GUARD® SURFACE MOUNT

- ∴ Use the Surface Mount to cover existing floor cutouts for ease in cooling management in an established data center.
- ∴ This two piece assembly is designed to retro-fit around existing cables without the need to disconnect cables.
- ∴ Includes mounting hardware and adhesive application option.
- ∴ Dimensions:
 Brush coverage - 8.0" X 8.0"
 Usable area - 6.5" X 6.5"
 Overall - 10.0" L X 10.0" W
- ∴ Part Number: 116-800-003.



AIR BLOCK™

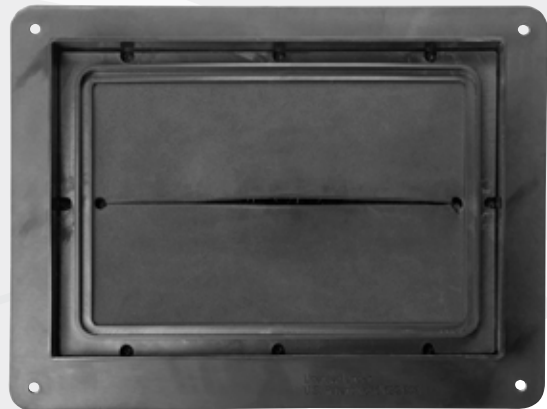
- ∴ The Air Block is a patent pending, two piece circular floor grommet made with an integrated EPDM gasket material for sealing around cables going through access flooring.
- ∴ Mechanically locks into a 6.0" diameter hole in the access floor panel via two toggle screws located on the top surface of the grommet. Exposed screws are finished with a plug cap that matches the grommet surface.
- ∴ Grommet splits into two sections for easy installation, making installation quick and easy; no fishing cables through the grommet.
- ∴ Standard gasket has four removable cable knock-outs. Custom gaskets can be furnished upon request.
- ∴ Engineered Safety Cover is designed to eliminate jobsite safety issues and protect cable and gasket area when the grommet is not in use.
- ∴ Includes mounting hardware and installation instructions.
- ∴ Dimensions: 6.0" diameter hole.
- ∴ Part Number: 116-800-010.



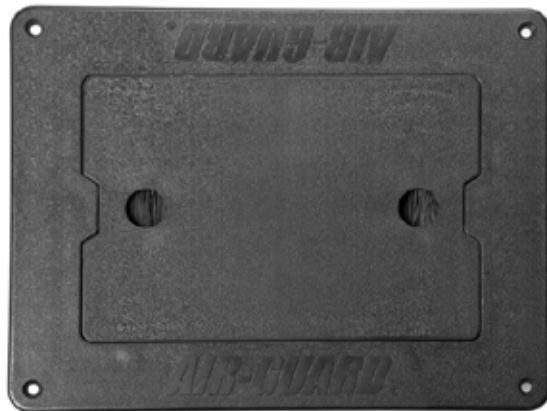
Air Block™ Separated

AIR GUARD® EXTREME

- ∴ The Air Guard® Extreme is a heavy duty unit with a two stage, integrated sealing system, EPDM gasket material (UL94 HF-1 rated) and standard Air Guard brush technology, to provide the most effective air seal.
- ∴ Heavy duty, integrated Safety Cover comes as a standard component. This feature allows installation of the grommet during the construction phase and eliminates the risk of injury by someone stepping through the grommet opening.
- ∴ OSHA jobsite statutes** require open holes in floor panels to be covered. The cover may remain in place until cabling systems are installed and may be saved for future use.
- ∴ Easy to install and integrates with the access floor static dissipative system.
- ∴ Dimensions:
 - Cutout - 9.0" X 6.25"
 - Usable area - 7.25" X 4.75"
 - Overall - 11.0" L X 8.25" W
- ∴ Part Number: 116-800-015.



Air Guard® Extreme Bottom



Air Guard® Extreme with Safety Cover

**OSHA statute:

- ∴ **1910.23(a)(8)** - Every floor hole into which persons can accidentally walk shall be guarded by either:
 - ∴ **1910.23(a)(8)(i)**- A standard railing with standard toeboard on all exposed sides, or
 - ∴ **1910.23(a)(8)(ii)**- A floor hole cover of standard strength and construction. While the cover is not in place, the floor hole shall be constantly attended by someone or shall be protected by a removable standard railing.

AIR GUARD® BRUSH KIT

- ∴ The Brush Kit allows odd size cutouts to be sealed using brush technology.
- ∴ Cut brush kit as required to fit any custom floor cutout size.
- ∴ Easy to install with factory applied adhesive strips.
- ∴ Applications include new cutouts or existing cutouts with cables.
- ∴ Engineered side rail clips provide cable protection as required by code (NFPA 75, Section S-4.4).
- ∴ 12" Brush Kit -
Dimensions: 12.0" X 9.0"
Part Number: 116-800-020.
- ∴ 24" Brush Kit -
Dimensions: 24.0" X 9.0"
Part Number: 116-800-022.



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