

Surface L and XL Raised Floor Grommet

Part Numbers 2030 and 2040

Installation Guide

Contents

Tools and Preparation Required for Installation

Product Components

Installation Procedures

General Information

Warranty



Each carton contains the following items:

(The KoldLok Extensions L and XL ship in quantities of 10 in two separate boxes)

KoldLok Surface Mount L Extension

(The KoldLok Extension L requires the KoldLok Surface Mount Grommet for installation)

KoldLok Surface Mount (packaged separately) **(10)**

Metal Extension - long end **(10)**

Metal Extension - short end **(10)**

Adhesive kit **(10)**

Edge-Mount Foam Strips, 10-Piece Pad **(1)**

KoldLok Surface Mount XL Extension

(The KoldLok Extension XL requires the KoldLok Surface Mount Grommet for installation)

KoldLok Surface Mount (packaged separately) **(10)**

Metal Extension - long end **(20)**

Adhesive kit **(10)**

Edge-Mount Foam Strips, 10-Piece Pad **(1)**

Installation Guide

KoldLok Surface L and XL Raised Floor Grommet

Tools and Preparation Required for Installation

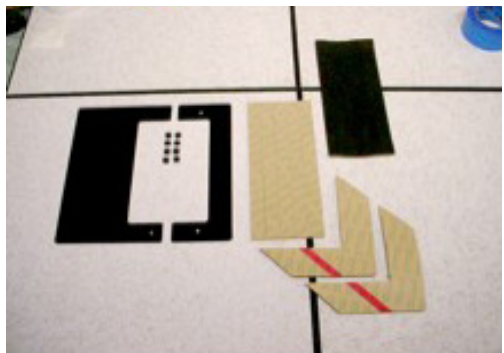
KoldLok Surface L and XL plates affix to KoldLok Surface Mount Grommets with double-sided adhesive gaskets. Once affixed, one section of the assembled unit is permanently attached to the floor (again using double-sided adhesive). The non-stationary, movable side of the assembled unit contains single-sided adhesive and is not affixed to the floor (allowing for easy removal and replacement when adding or removing cable).

- Hand tools (to remove skirts, tip plates, etc.) for gaining access
- Measuring tools (to determine maximum dimensions of trimmed cutout)
- Alcohol wipes (to clean tile surface and metal parts). Use a pre-soaked alcohol wipe or a solution of at least 50% isopropyl alcohol on a clean cloth.



Product Components

1. One (1) assembled KoldLok Surface Mount Raised-floor Grommet
2. One (1) adhesive strip for (optional) edge mount installation
3. One (1) two-piece KoldLok Surface L or XL plate
4. Five (5) adhesive strips (2-sided) identified with red striped backing (for attaching stationary side of assembled KoldLok Surface L or XL to the floor)
5. Five (5) adhesive strips (1-sided) identified with green striped backing (for attaching movable side of assembled KoldLok Surface L or XL to the floor)
6. Two (2) sets of adhesive gaskets (2-sided) identified with red striped backing



Installation Procedures

A Note About Adhesive Strips & Gaskets:

The shelf life of the uninstalled adhesive strips and gaskets used in the installation of the KoldLok Surface L and XL Grommet is one (1) year from the date of assembly (as indicated on the bag containing the adhesive). After that time, the adhesive backing may become difficult to remove. As long as the backing is still removable, the effectiveness of the adhesive will not be reduced.

Maximum Opening Size

If the cable cutout opening (not including trim) is larger than 10 inch x 9¾ inch (KoldLok Surface L) or 13 inch x 10 inch (KoldLok Surface XL), the KoldLok Surface L or XL cannot be used to seal the hole. Contact Triton Technology Systems, Inc. (1-888-982-7800) for customized products and installation services designed to seal larger openings.

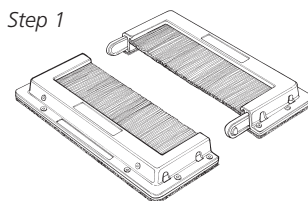
Procedure – Measurements:

1. Measure outside (maximum) dimensions of cable cutout including trim material.
2. Determine whether long or short dimension of KoldLok Surface L or XL will be parallel to equipment or cabinet.
3. Determine if cable cutout trim will interfere with the unit. If the outside dimensions of cable cutout trim are less than 10 inch x 9¾ inch (KoldLok Surface L) or 13 inch x 10 inch (KoldLok Surface XL), there will be no interference and the unit can be applied to the floor tile using only one layer of adhesive gaskets.
4. If the outside dimensions of the cable cutout trim are greater than 10 inch x 9¾ inch (KoldLok Surface L) or 13 inch x 10 inch (KoldLok Surface XL), the second layer of adhesive gaskets must be trimmed to accommodate the extra height of the trim strip.

If the outside dimensions of the cable cutout trim are less than 8¾ inch x 5½ inch, a Surface Mount unit without plates will fill the hole.

Preparing the KoldLok Surface Mount Grommet for the Surface L or XL Plates

1. Separate KoldLok Surface unit at joiner bars.
2. Clean the bottom of both sections with an alcohol wipe.
3. Apply the red striped (2-sided) adhesive gaskets to both sections of the Grommet by removing the backing material from each piece and

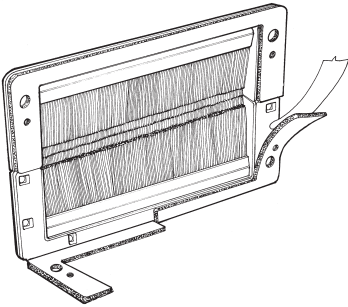


Installation Guide

KoldLok Surface L and XL Raised Floor Grommet

pressing firmly to the bottom of the Grommet. (Be sure to align the edge of the adhesive gasket with the edge of the Grommet.)

Step 3



Attaching KoldLok Surface L or XL Plates to the Surface Mount KoldLok Grommet

1. Remove adhesive backing from one section of the KoldLok Surface Mount Grommet.
2. Align one side of the KoldLok Surface L or XL plate with the front edge of the Grommet section.
3. Press to affix KoldLok Surface L or XL to the Grommet.
4. Remove adhesive backing from second section of the KoldLok Surface Mount Grommet.
5. Align the second side of the KoldLok Surface L or XL plate with the front edge of the second Grommet section.
6. Press to affix KoldLok Surface L or XL plate to the Grommet.

Step 2



Attaching the Assembled KoldLok Surface L or XL to the Floor

Attaching 1-sided Adhesive to the Movable Section:

1. Trim 1-sided adhesive to the length of one side of the unit.

2. Remove backing.

TIP: Make angled, diagonal cut (and press downward on adhesive with scissor) to ease removal of backing from strip (as shown in photo to the right).

3. Attach adhesive strip to the unit surface, attaching the edges first – before the corners (as illustrated in the photo to the right).

4. Insert Conductivity Buttons.

**IMPORTANT: To ensure proper electrostatic discharge, conductivity buttons must be inserted.*

5. With a knife or razor blade, trim the end of the attached adhesive to allow room for the adhesive strip being attached to the longer edge of the unit (in Step 6, below).

6. Trim 1-sided adhesive strip and attach to longer edge of assembled unit.

Step 2



Step 4



Step 6



Installation Guide

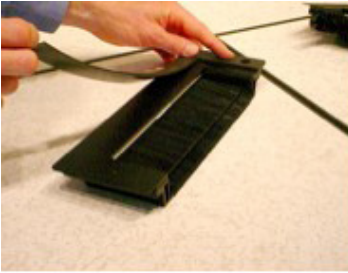
KoldLok Surface L and XL Raised Floor Grommet

Attaching 2-sided Adhesive to Stationary Section:

1. Using 2-sided (red striped backing) adhesive gaskets and strips, carefully repeat Steps 1-3 on page 4.
2. Insert Conductivity Buttons.

**IMPORTANT: To ensure proper electrostatic discharge, conductivity buttons must be inserted.*

Step 1



Attaching Stationary Section to the Floor and Assembling Grommet Around Cable Bundle(s):

1. Assemble unit to test positioning over hole.
2. Mark corners with pencil.
3. Separate unit at joiner bars.
4. Remove backing from stationary section.
5. Align stationary section with pencil marks on the floor.
6. Place stationary section on the floor, back edges first.
7. Adhere to floor by applying solid, downward pressure on all surfaces.
8. Re-assemble unit at joiner bars around cable.

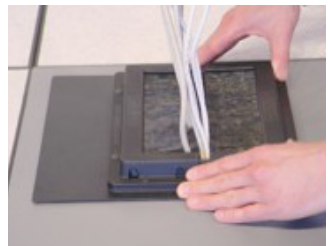
Step 2



Step 6



Step 8



Installation of KoldLok on Tile Edge

If the cable cutout is an edge cut and the installation of the Grommet will fall within the perimeter of the tile, the foam strip included in the gasket set must be used.

Apply the foam strip to the exposed stringer on the cut side of the tile to provide an air block between the stringer and the bottom of the Grommet. *See drawing below.*

If the cable cutout is an edge cut and the Grommet will overlap onto the adjacent tile, then no foam strip is needed. If part, but not all, of the Grommet edge overlaps the trim material on the cable cutout (outside dimension of cutout trim is greater than 7 inch x 9 inch but no greater than 8 ¼ inch x 11 inch), the second layer of gaskets may be required in order to prevent air leakage.

In this case there will be a single layer of gasket where the Grommet contacts the trim strip and two layers of gasket where the Grommet contacts the floor tile in order to create a seal and prevent airflow leakage. *See drawing below.*

Figure 1

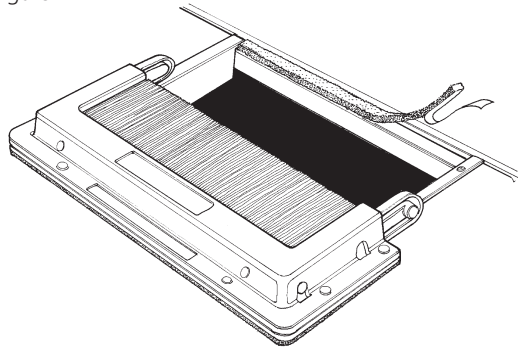
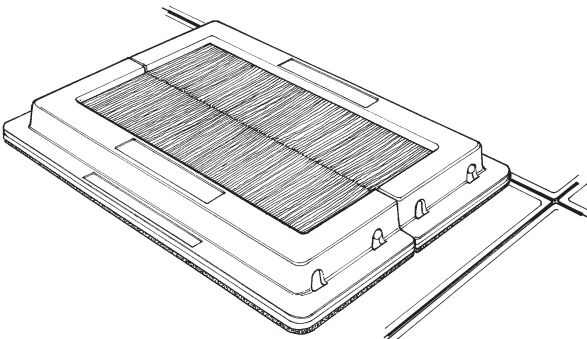


Figure 2



Installation Guide

KoldLok Surface L and XL Raised Floor Grommet

General Information

Effective Installation of Cables

In order to minimize any air loss from under the raised floor plenum, position cables along the centerline of the filaments in the KoldLok Grommet. Make sure to allow for adequate slack in the cables. If the cables are under too much tension, the filaments may be pulled apart, resulting in a V-shaped gap that will cause an increase in the volume of air escaping from under the floor.

Maintaining Proper Cooling of Equipment

Failure to follow computer manufacturer's guidelines for maintaining proper cooling may result in the overheating of equipment. Before sealing cable cutouts, ensure that proper airflow to the intake side of computer equipment or cabinets is feasible through the use of devices such as perforated floor tiles. Achieving proper airflow to the intake side of computer equipment and/or cabinets is the responsibility of the customer. If the floor tile is cut prior to installing the KoldLok Surface Mount Grommet, the following instructions apply:

Cutting Raised Floor Tiles

Each raised floor tile manufacturer provides instructions to properly and safely modify their products. Installers must be familiar with and observe tile manufacturer's recommendations with regard to applicable tools, cutting procedures, the design load capacity of the cut tile, and any additional underfloor support requirements for cut raised floor tiles.

Safety Requirements

Installers must be familiar with standard safety and risk management practices when working in raised floor environments and when modifying floor tiles.

Customer Support

If you have any questions, please contact us at: (888) 982-7800, M–F, 9AM–5PM MST or email us at: info@upsitetechnologies.com

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Limited Warranty

Upsite Technologies, Inc. (the *Company*) warrants to the original purchaser that products delivered hereunder will be free of defects in materials and workmanship for a period of twelve (12) months from the date of purchase (the "Warranty Period").

The *Company* shall, at its option, within the Warranty Period, either repair or replace free of charge, any product or part thereof found, upon the *Company's* inspection, to be defective in materials and workmanship, and will return the repaired or replaced product to the purchaser at *Company's* expense.

For warranty service and shipping instructions, contact the *Company* at the telephone number shown below. If the product is under warranty and the defect appears to be covered by this Limited Warranty, the *Company* will issue to the purchaser a Notice of Authorization For Warranty Return. Products returned to the *Company* for warranty service must be accompanied by a statement of defect, the Notice of Authorization for Warranty Return provided by the *Company*, and proof of purchase.

This Limited Warranty is conditioned on the following:

1. The *Company* must be notified within 12 months of purchase and have been given the opportunity of inspection by return of any alleged defective product free and clear of all liens and encumbrances to the Company or its manufacturer; and
2. The product must not have been abused, misused, or improperly maintained, and/or repaired during such period; and
3. Such defect has not been caused by corrosion or exposure to other than ordinary wear and tear.

The company makes no other express or implied warranty or representation of any kind whatsoever including any warranty of merchantability or fitness for a particular purpose and all such other warranties are hereby included.

The *Company's* maximum liability hereunder is limited to the purchase price of the product. In no event shall the *Company* be liable for any consequential, indirect, incidental, or special damages of any nature arising from the sale or use of the product, whether based in contract, tort, strict liability, or otherwise.

Note: Some jurisdictions do not allow limitations on incidental or consequential damages or how long an implied warranty lasts, so that the above limitations may not fully apply. This warranty gives specific legal rights and you may also have other rights which may vary from jurisdiction to jurisdiction.

For complete warranty and repair information, call (888) 982-7800



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