FireBlØk Fire Suppression Gaskets

Application

The FireBløk® Gasket is a patented Intumescent thermoplastic pad used as a Membrane Penetration fire stop in electrical boxes maintaining the fire-resistant ratings of wall assemblies and when the horizontal separation between metallic boxes on opposite sides of the wall is less than 24" apart.

The FireBløk® Gasket is certified for both 1 & 2 hr. U300, U400, V400 and U411 wall assemblies with metal electrical boxes with plastic or metal cover plates.

FireBløk® Gaskets are designed to fit easily into electrical boxes. The pre-molded openings insure metal to metal contact while assuring wiring is accessible at all times per NEC.

FireBløk® Gaskets are scored on the back for easy snapping into as many as four sections to ease in the installation of the gasket in an electrical box that has been previously installed (all sections must be placed evenly inside the back of the box to meet the listing

Feature	Benefit
No Faceplate Limitations	Certified for both **plastic or metal** faceplates in all fire-rated walls regardless of configuration.
One Step Cost Effective Installation	Pre-Fab shop or in-field Installation; realize up to 95% labor savings over the outdated Putty Pad technology.
Pre-Molded Ground Screw Openings	Never worry about meeting NEC building codes, the ground screw opening assures the local inspector the wiring is accessible at all times meeting the requirement for metal to metal contact.

Warranted for the Life of the Building

Properties	FireBløk® Fire Suppression Gasket
Catalog No. & Dimensions	FB-25 3-3/4" x 3-3/4" x 3/8" (94mm x 94mm x 4.5mm)
Color	White
Weight	47 grams
Expansion	Begins at 300 Degrees F (148 degrees C) Highly Intumescent (20+ Times it original size)
Box Fill Volume	2.09 Cubic Inches
Sound Transmission Classification	**52 Tested to ASTM E90 Standard**
Box Size 4"x 4" x 2-1/8"	One FB-25 gasket (inserted into back of box)
4-11/16" x 4-11/16" x 2-1/8"	One and a half FB-25 Gaskets (one covering the inside back of the box and half of an FB-25 gasket mounted on an internal side of the box
Shelf Life	Unlimited when stored below 130 degrees F (54 degrees C)

Applicable Standards:
Intertek - ATSM E-814-10 Standard Method for Fire Tests of Through-Penetration Fire Stops.
UL - ANSI/UL 263 (US) and CAN/ULC-S101 (Canada) as listed in the Fire Resistance Directory <4UX6>.
ASTM-E90-09 **Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements**
ASTM-G-21 **Standard Test Method Proving Materials Resistance to Fungi and Mold; Rating of 0 (scale 0 - 5)**

CLASSIFIED C UL US

WALL-OPENING PROTECTIVE MATERIAL
FIRE RESISTANCE CLASSIFICATION
SEE UL FIRE RESISTANCE DIRECTORY
<4UX6> FOR COMPLETE LISTING.

INTERTEK C Warnock Hersey US

Intertek
Valued Quality. Delivered.

Firestop Contractors FCIA International Association

FireBløk® Innovative Technology, along with consultation from industry leaders in engineering, manufacturing and construction have combined to produce" FireBlok". FireBlok is the only fire suppression gasket in the industry that is listed with both UL and Intertek for 2 hour assemblies as a "Membrane Penetration Protective Material" for use in metallic boxes with plastic face plates in all wall configurations. FireBlok meets all NEC code requirements dealing with visual inspection of the ground wires ensuring "metal to metal contact" and accessibility to all wiring without the need to cut or remove material from the insert. Additionally, the FireBlok gasket is warranted for the life of your building removing the inherent life span issues associated with Putty Pads. The FireBlok gaskets are designed to fit easily into electrical boxes providing a 95% labor savings over Putty Pads. With an STC rating of 52 FireBløk® is the technology of the future available today.

Installation Instructions

Metallic boxes to be protected must be clean and free of oil, dirt, rust or scale. Installation, storage and in-service temperatures must be maintained below 130 degrees F. no drying or curing is required.

Please consult the UL Fire Resistance Directory or Intertek Report # 100252414COQ-005C for more information regarding the FireBløk® fire suppression gasket

Remove protective liner from adhesive tape on back of gasket. Align pre molded ground screw cut-out over appropriate ground location in the metallic box and press down in place. Note: gasket can be broke into four sections and placed inside box without losing certification; cut the adhesive tape on the back of the gasket break along score lines on the back of the gasket, place all sections inside back of box matching original gasket layout. Gasket reduces available volume within the box refer to properties for volumetric dimensions of the fire suppression gasket.

Maintenance

Installations should be inspected periodically for damage or misuse. Any damage should be replaced using FireBløk® fire suppression gaskets per the original approved design.

Technical Support

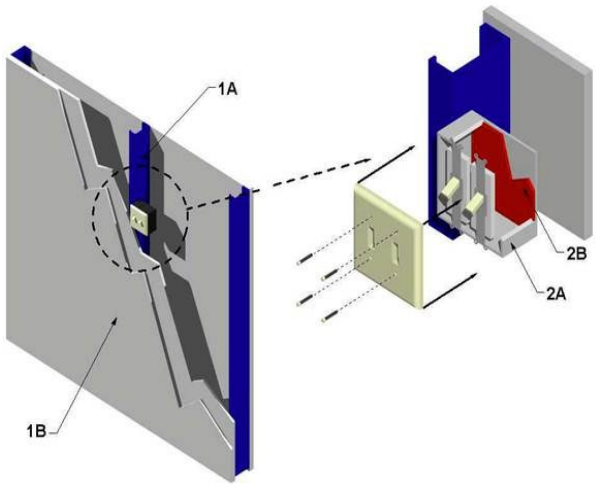
Intumescent Technologies Inc. provides technical support to assist in product selection and appropriate installation design; go to www.fireblok.net for the name of the Authorized Distribution/Engineering Center nearest you. UL systems, Intertek Reports, MSDS sheets, complete installation instructions and technical data can be found under the technical Library of the FireBløk® web site.

Availability

FireBløk® Fire Suppression Gaskets are available from authorized distributers worldwide. Consult the FireBløk® web site for names and locations of the nearest sales representative or distributer near you.

Specifications

The FireBløk® Fire Suppression Gasket FireBløk® shall be manufactured as an intumescent thermoplastic device and must easily install inside the back of a metallic box for use as a firestop. The gasket must seal off the membrane penetration to prevent temperature rise and the spread of flames, include a pre-die cut ground screw opening to ensure metal to metal ground and accessibility for future access to wiring, Volume of fire stop gasket shall not exceed 3.0 cubic inches which must include the void created if gasket will not sit flush to the back of the junction box due to the raised grounding location, Device must be listed for use with plastic or metal faceplates in both 1 hr. and 2 hr. U-300, U-400 and U-411 wall assemblies. Gaskets must be designed to fit easily into metallic boxes without effecting NEC Box ratings and provided with an adhesive strip to hold the gasket in place in the back of the metallic box. Gasket must have passed UL/ANSI—263 and ASTM-814-10 testing for rated enclosures by an accredited NRTL and shall be warranted for the life of the building. Fire Suppression gaskets shall have a minimum STC rating of 50.



1A - Wood or Steel Studs
1B - 2 hr. fire wall; two layers of 5/8" Type X gypsum wallboard on each face
1B - 1 hr. fire wall; one layer of 5/8" Type X gypsum wallboard on each face
2A - Metallic Outlet box
2B - FireBlok Fire Suppression Gasket
** Assembly shall be listed for Plastic faceplates per NRTL Listing**

Warranty

Intumescent Technologies, LLC and PyroPhobic Systems, Ltd. warrant that FireBløk™ Gasket insert to be free of defects.

Limitations & Exclusions

To be used only in tested configurations Intumescent Technologies, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products for the life of the building. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF Intumescent Technologies, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Intumescent Technologies, LLC shall not be liable for incidental or consequential damages. Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.

INTUMESCENT TECHNOLOGIES

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