



Lock 'n Place

Fast, Simple & Cost-Effective

Applications

- 3M™ Fire Barrier Self-Locking Pillows are ideal for firestopping medium to large openings with power or communication cables, conduits and cable racks or trays.
- No additional support required.
- Gypsum Wall, Concrete or Block Wall, and Concrete Floors
- 1 or 2 Cable Racks or Trays per penetration

For complete details consult suitable European Technical Approval or 3M™ Technical Design System (www.3m.eu/fire).

Typical Physical Properties

Density: 96 kg/m³

NOTE: Installation shall be in strict accordance with manufacturer's written instructions. The product has European Technical Approval (ETA) by the European Organization for Technical Approvals (EOTA). When installed in accordance with systems outlined in the current ETA, up to a 3-hour rating is achieved.

Performance

3M™ Fire Barrier Self-Locking Pillows have been tested in accordance with ETA 10/0015 or 3M™ Technical Design System

- Heat Expansion Begins: 200°C
- Volume Expansion: 18% (calculated)
- Significant Expansion Begins: 280°C
- Rating for Air Leakage: Air Pressure Resistance



Product Offerings

Product	Unit Size	Units/Ctn.	Wt. Ctn.
3M™ Fire Barrier Self-Locking Pillow, Small	5.1 cm x 10.2 cm x 22.8 cm 51.6 cm ²	24	5.6 kg
3M™ Fire Barrier Self-Locking Pillow, Medium	5.1 cm x 15.2 cm x 22.8 cm 77.4 cm ²	16	4.9 kg
3M™ Fire Barrier Self-Locking Pillow, Large	7.6 cm x 15.2 cm x 22.8 cm 116.1 cm ²	20	7.8 kg

Prevention Innovation

Installation Instructions

1. Install pillows lengthwise through the opening; make sure that the large surface (label side) is placed directly against the framed opening.
2. Combine self-locking pillows at interlocking strips. Compress pillows to 20%. Insert and install in groups into the wall.
3. Completely fill the penetration opening. The red 3M logo must be visible to the installer on all pillows.
4. The smaller-sized self-locking pillows are useful for smaller voids and spaces created by the cable tray. 3M™ Moldable Putty+ is used to seal any small openings greater than 2 mm between the pillows, cables, cable trays and pillows within the frame.
5. 3M™ Fire Protection Self-Locking Pillows are completely reusable. Simply remove the desired pillow(s) by inserting fingers on both sides. Squeeze gently to release the interlocking bond and remove the pillow. For wall configurations no additional support required (e.g. wire mesh or steel cover plates).



Fit for any Application

Field Cutting Procedures

1. 3M™ Fire Barrier Self-Locking Pillows can be field cut if desired.
2. Resealing 3M™ Fire Barrier Self-Locking Pillows can be accomplished by using either the removed original outer cover, minus contents, or by use of two inch wide carton sealing/packaging tape.
3. Re-sealed 3M™ Fire Barrier Self-Locking Pillows ready for installation.



Protecting Life & Property

Dimensions and Measurements

Description		Values
Minimum thickness of substrate	Wall	150 mm
	Floor	150 mm
Maximum dimensions of through-penetration	Rectangular	4800 cm ²
Minimum distance between the through-penetrations	Horizontal/ vertical	200 mm
Minimum distance between through-penetration and metal stud (plaster walls)	Horizontal/ vertical	100 mm
Distance between	Cables and wall	Min. 40 mm
	Cables	≥ 0 mm
Apply sealing	Wall	On both sides
	Floor	On the underside. In the case of hazardous liquids, also on the upper side.
Depth of Moldable Putty+		25 mm

Performance

Service penetration	Double-layer gypsum wall (at least 150 mm)		Concrete or masonry wall (at least 150 mm)	
	Integrity (E)	Insulation (I)	Integrity (E)	Insulation (I)
Telecom cable (single or several)	120 min	60 min	180 min	90 min
Electric cable (single or several)	120 min	90 min	180 min	90 min
Electric cable (1 x 185 mm ² fitted single)	120 min	45 min	180 min	60 min
Non-insulated copper pipe (centrally positioned)	120 min	120 min	180 min	180 min
Insulated copper pipe (centrally positioned)	120 min	30 min	180 min	30 min
Non-insulated steel pipe (centrally positioned)	120 min	30 min	180 min	120 min
Insulated steel pipe (centrally positioned)	120 min	60 min	180 min	180 min

Product Offerings

Product	Unit Size	Units/Ctn.	Wt.Ctn.	Manufacture Code	Shipper UPC	Stock Number
3M™ Fire Barrier Self-Locking Pillow, Small	5.1 cm x 10.2 cm x 22.8 cm 51.6 cm ²	24	5.6 kg	FB-SLP-249	50051115165783	DE-2729-4496-3
3M™ Fire Barrier Self-Locking Pillow, Medium	5.1 cm x 15.2 cm x 22.8 cm 77.4 cm ²	16	4.9 kg	FB-SLP-269	50051115156790	DE-2729-4497-1
3M™ Fire Barrier Self-Locking Pillow, Large	7.6 cm x 15.2 cm x 22.8 cm 116.1 cm ²	20	7.8 kg	FB-SLP-369	50051115165806	DE-2729-4498-9

Standard and Code Compliance

European Compliance	
ETAG N° 26	European Technical Approval of Fire Stopping and Fire Sealing Products - Part 2 Penetration Seals: Edition 2008 - 01 - 01
ETAG N° 1	European Technical Approval - Weight loss on heating (ash)
EN 1366-3	Fire resistance tests for service installations - Part 3, penetration seals: 2004
ETA10/0015	European Technical Approval
EN 13501-1	Reaction to fire
EN ISO 140-10	Acoustics - Measurement of sound insulation in buildings and of building elements - Part 10: Laboratory measurement of airborne sound insulation of small building elements: 1990-09
EN ISO 717-1	Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation
EOTA - TR024	Aspects of Durability and Factory Production Control for Reactive Materials, Components and Products EOTA Technical Report - TR024 - Edition November 2006 Characterisation
1999/454/EC	Evaluation of Conformity and CE marking - Decision of the European Commission the system 1 of attestation of conformity.
76/769/EEC	COUNCIL DIRECTIVE of 27 July 1976 on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and Preparations
International Compliance	
ASTM E 814 (UL 1479)	Standard Test Method for Fire Tests of Penetration Firestop Systems
ASTM E 1966 (UL 2079)	Standard Test Method for Fire Resistive Joint Systems
CAN/ULC S115	Standard Method of Fire Tests of Firestop Systems
IBC	International Building Code



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ETA 10/0015

ETAG N° 026 part 2

Penetration Seal
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and Self Locking
Fire Barrier Pillows'



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BA-11-15567

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