Technisches Datenblatt

Produkt:	8067E
Hersteller:	3M DEUTSCHLAND GMBH
Warengruppe:	KLEBEBAND
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FLEXIBLE AIR SEAILING TAPE 8067E FAST-F

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Flexible Air Sealing Tape 8067E FAST-F

Product Data Sheet

Date: June 2016
Supersedes: October 2015

Product Description

3M™ Flexible Air Sealing Tape 8067E FAST-F is a self-adhered, waterproof flashing tape.
This product has a unique acrylic pressure sensitive adhesive that aggressively sticks and stays stuck both at lower and higher application temperatures than traditional flashing tapes

Intended Use

- Seaming air of interior water vapour membranes
- Reparation of interior water vapour barriers
- Sealing around openings and joints in building applications
- Sealing around window and door installations
- Sealing of feedthroughs for cables
- Sealing around other wall interruptions in non-roof areas, such as thresholds, dryer vents and hose bibs. Taping seams aids in reducing air infiltration, improving the effectiveness of insulation and reducing heating and cooling costs.

Key Features

- Proprietary Film backing seals around nails and staples to prevent moisture intrusion
- Can be applied to materials without primers or staples and bonds
- Tough backing resists punctures and tears during application.
- High tack adhesive sticks and stays stuck to most common building materials.
- Adhesive provides an unusual combination of both cold and hot temperature adhesion to most substrates, which can extend the construction season in many climates.
- No adhesive melting or staining in summer heat.
- Unique backing is thin to fit conveniently into corners and under siding.
- Can be installed at temperatures as low as -20 °C and as warm as 50 °C
- Resists UV exposure up to 12 months
- Compatible with many building sealants: No adverse reaction with synthetic rubber, butyl, polyurethane, silicone and silane terminated hybrid sealants.
- Measurement markings for ease in cutting to the desired length

Physical Properties

Tape Colour	Tan
Tape Thickness (Film, Adhesive) (ASTM D-3652)	0,270 mm ± 0,015 mm
Liner	0,170 mm ± 0,005mm
Backing	Proprietary Film
Release Liner	Heavy paper, split
Adhesive Type	Acrylic

Performance Characteristics

Adhesion to Polished Steel 90° peel @room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	88 N/100mm
Adhesion Polyethylene 90° peel @room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	70 N/100mm
Adhesion to Aluminium 90° peel @room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	110 N/100mm
Tensile Properties Longitudinal Transverse (acc. to EN 12311-, 100 mm/min)	 135 N/50 mm / 1116 % 143 N/50 mm / 1240 %
Thermal Shock Resistance -20 °C up to 60 °C Ift Richtlinie MO-01/1 (4.3)	fulfilled
Dynamic Shear Strength **to different substrates** (acc. to EN 12311-, 5 mm/min)	30 – 47 kPa
Light resistance and resistance to moisture penetration Ift Richtlinie MO-01/1 (4.4)	fulfilled
Water Penetration Around Nails (ASTM 1970)	Pass
Water Vapour Permeability (s_d value) (EN ISO 12572 : 2001-06) (A)	18,1 m
Application Temperature Performance	-20 °C up to 50 °C

Building Materials Compatibility Testing by "ift Rosenheim"

The following building materials have been tested on compatibility (up to 60°C) with 3M™ Flexible Air Sealing Tape 8067E FAST-F by the scientific service provider and international testing institute "ift Rosenheim" with the result of no optical or function-affecting impairments

- Concrete C35
- Exterior plaster HASIT 650 cement mortar
- Interior plaster HASIT 150
- Building plaster with Weber light mortar LM21 without primer
- Building plaster with Weber light mortar LM21 with primer
- fibreC glass fibre concrete slab 2.0
- Wood (spruce) rough, grinded / varnished / painted
- OSB panels class 3 with rough surface
- PVC-U, white
- Anodised aluminium / Powder-coated aluminium
- Vapour barrier: Ampatex DB90
- Vapour barrier: Öko Natur vapour barrier (Isozell)
- Vapour barrier: Folag Starvap D2 (PO)
- Vapour barrier: Isover Vario KM (PA)
- Vapour barrier: Siga Majpell (PE)
- Vapour barrier: D-Tack Tacolau (Alu Coating surface

Application Handling

To obtain the best adhesion, 8067E FAST-F can be installed when outdoor temperatures range from -20 °C up to 50 °C over clean surfaces that are free from dirt and debris and have not absorbed water. Surfaces should be free of any damaged, unsupported areas, sharp protrusions or voids.

Adheres to most common building materials. For difficult to stick to surfaces, test flashing tape adhesion before application. Use 3M ™ Hi-Strength 90 Spray Adhesive to prime the substrate as needed prior to applying the flashing tape.

To apply, peel back a few centimetres of one side of the split paper release liner to position the tape. Remove the liner while applying firm pressure to the flashing tape surface as it comes into contact with the building surface. Repeat this procedure with the remaining side of the paper release liner and tape. Using a roller apply sufficient pressure along the entire tape surface to ensure a continuous seal and to eliminate trapping air beneath the tape.

Warning:
The paper release liner is slippery and should not be walked on at any time. Discard the paper release liner in a designated container.

3rd Party Evaluation

3M™ Flexible Air Sealing Tape 8067E has been evaluated by SITAC (SP Technical Research Institute of Sweden) and approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR): issued by the National Board of Housing, Building and Planning.

- Moisture, General
- Moisture, Safety
- Air Tightness (in combination with window installations)

UV Durability	When exposed to natural sunlight in Florida and Arizona and when exposed to accelerated aging conditions, the performance of 3M™ Flexible Air Sealing Tape 8067E FAST-F remains stable over an extended period. Based on these tests and performance observed in actual installations, 3M is confident in claiming that the tape will remain fully functional up to 12 months of exposure to sunlight.
Storage & Shelf Life	Store at 16 °C – 25 °C and 40-65 % relative humidity in its original box. The product can be stored up to 24 months after production. **Note:** Product shall not be exposed to UV radiation during storage
For Additional Information	To request additional product information or to arrange for sales assistance, call…… Address correspondence to: 3M
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