



Flexible Air Sealing Tape 8068E

FAST-G / FAST-M

Product Data Sheet

Date: November 2014
Supersedes: September 2014

Product Description

Flexible Air Sealing Tape 8068E FAST-G / FAST-M is an air, moisture and water impermeable tape with an aggressive, high-tack acrylic pressure sensitive adhesive and reinforcing grid. FAST-G is a self-wound tape, while FAST-M has a poly-coated kraft paper release liner

Key Features

- Aggressive acrylic adhesive bonds to concrete, concrete block, anodized aluminium, galvanized metal, exterior gypsum and plywood without the use of any adhesion promoters.
- Reinforcing grid helps strengthen backing and reduce stretch
- Film backing seals around nails and staples to prevent moisture intrusion (Passed ASTM 1970)
- Resists UV exposure for up to 6 months.
- 4,7 cm measurement markings for ease in cutting to the desired length
- Can be installed at temperatures as low as -20°C and as warm as +50°C

Physical Properties

	8068E FAST-M
Tape Colour	Tan, semi-translucent
Thickness of Tape (ASTM D-3652)(Backing & Adhesive)	0,250 mm
Thickness of Adhesive	0,130 mm
Liner	0,150 mm
Backing	Multilayer Elastomeric Film
Release Liner	Poly-coated kraft paper
Adhesive Type	Acrylic

	8068E FAST-G (linerless)
Tape Colour	Tan, semi-translucent
Thickness of Tape (ASTM D-3652) (Backing & Adhesive)	0,250 mm
Thickness of Adhesive	0,130 mm
Backing	Multilayer Elastomeric Film
Adhesive Type	Acrylic

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 80 68E 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
- Wood (spruce) varnished
- Wood (spruce) 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)

Performance Characteristics

Adhesion to Stainless Steel 90° peel @ room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	55N / 100mm	
Adhesion Polyethylene 90° peel @ room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	33N / 100 mm	
Adhesion to Oriented Strand Board 90° peel @ room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	44N / 100 mm	
Adhesion to Anodised Aluminium 90° peel @ room temp, 24 hr dwell, jaw speed 300mm/min (ASTM D-3330)	77 N / 100 mm	
Hygrothermal performance (EN 12572:2001-06)	Pass	
Thermal Stability	-20°C up to +60°C	
Water Penetration Around Nails (ASTM 1970)	Pass	
Water Vapour Permeability (S _d value) (EN 12572:2001-06)	8068E FAST-M	8068E FAST-G (linerless)
	11.6 m	14.8 m
Application Temperature Performance	-20°C up to +50°C	

Application Ideas

- Seaming air and vapour membranes.
- Taping gaps and penetrations to stop free air flow.
- Sealing around openings and joints in building applications e.g. walls, roofs
- Sealing of penetrations and window joints in exterior walls
- Sealing of feedthroughs for cables

Application Handling

The following conditions apply to the use of 3M™ Flexible Air Sealing Tape 8068E FAST-G / FAST-M

To obtain the best adhesion, 8068E FAST-G / FAST-M can be installed when outdoor temperatures range from -20°C up to +50°C over clean surfaces that are free from ice, snow or frost, also from dirt and debris and have not absorbed water. Surfaces should be free of any damaged, unsupported areas, sharp protrusions or voids

Concrete must be cured a minimum of 7 days before application. Block or brick walls should have mortar joints stuck flush.

Storage

This product is best stored at 20°C- 25°C and 50% r el. humidity in a clean and dry area.

Shelf Life

To obtain best performance, use this product within 12 months from date of dispatch by 3M.

Precautionary Information

Refer to product and Material Safety Data Sheet for health and safety information before using the product. For information please see below for contact details.

For Additional Information

To request additional product information or to arrange for sales assistance, please see below for contact details.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations



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