

# Technical Adhesive Tapes



**Construction**

# Fast & Direct Access to The World's Leading Construction Tapes

- ✓ Fully Approved Products
- ✓ Free Samples
- ✓ Direct Deliveries to Multiple Sites
- ✓ Easy Ordering (Phone / Fax / Email)
- ✓ Instant Credit Account (subject to T&C's)
- ✓ Free Technical Advice



**Quality isn't Expensive... it's Priceless**

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## Lynvale Ltd

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## Welcome

Lynvale are proud to be **Saint Gobain's** largest UK partner, stocking, converting and distributing their renowned **Norton®** Tapes in Great Britain.

Whilst we recognise that the exceptional performance, reliability and versatility **Norton®** Tapes offer, we also recognise that the existing range does not always cater for every demand you may have, so we have carefully handpicked some of the world's most technically advanced tape manufacturers to enable us to offer you solutions for every eventuality.

We keep most products in stock ready for slitting at our purpose built converting plant in Suffolk, this facilitates rapid delivery direct to your site ensuring you get the right product first time and on time.

Whether you are an end user or wishing to join our network of distributors we look forward to supporting you every step of the way.



**January Baxendale, Director**  
[january@lynvale.co.uk](mailto:january@lynvale.co.uk)



## Page 6 Expanding Foam Tape

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Fully approved and recognised internationally as one of the leading foam sealing tapes available today EXP6 Expanding Foam Tape from Lynvale provides protection from wind driven rain up to 600pa.

Once installed it remains permanently elastic and will expand and contract with thermal and physical movements making it ideal for timber framed constructions.

## Page 8 Thermalbond® V2100 Structural Glazing Spacer Tape

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Specified & trusted for over 40 years V2100 has played an important role in some of the world's most iconic structures. Thermalbond® V2100 provides instant fixation during the silicone curing process of glazed systems and also ensures that the correct gap is maintained during this time which is critical to the performance of the structural silicone.

## Page 10 Eliminate Squeaky Floors with Norton CST Joist Tape®

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Reduce impact sound transmission and airborne sound transmission with Norton CST Joist Tape®. By isolating vibrations this magnificent tape drastically reduces noise which occurs when there is a gap between the sub floor and the joist.

## Page 14 Green Glue Noise Proofing Compound

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Green Glue noise proofing compound is viscoelastic, which is great for removing unwanted sound between walls ceilings and floors.

## Page 16 Acrylic Foam Tape – Replacing Mechanical Fasteners

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A strong tape that has so many uses and advantages. Used in electronics, industrial assembly and even glass construction. Available in 3 colours or optically clear Acrylic Foam Tape offers superb bonding & sealing solutions that can withstand the heat of powder coating and can even offer thermal conduction properties.

## Page 18 Norbond V2800® Heavy Duty PU Foam Tape

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Available in thicknesses 0.8mm and 1.6mm this Ultra Performance Energy Dissipating Closed Cell Double Sided PU Foam Tape sits at the top end of the adhesive tape spectrum with a price tag to match.

## Page 20 Single Sided Foam Tape, Sealing, Protecting, filling & Cushioning

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Coated with an acrylic adhesive on one side single sided foam tape can be used for a variety of sealing purposes including air, water and dust seals, as well as cushioning, protecting and gap filling. Available in Rolls, sheets or custom made foam tape gaskets. Standard thicknesses range from 1mm up to 15mm.

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## **Page 22 Thermalbreak Tape – Eliminate Ghosting**

When used on either one or two sides of steel framing Norton CST™ serves as a thermal break that will help lower the rapidly increasing costs of energy.

Norton CST™ does not mould or mildew. By preventing condensation caused by temperature differentials Norton CST™ helps eliminate 'ghosting' stains that outline metal studs in the wall.

Its performance and durability makes it a life long valuable addition to any residential or commercial building.

## **Page 24 Norfix® V1500 Mirror mounting Foam Tape – FIRA Approved**

A Double Sided Mounting Foam Tape which is Fully Approved by the FIRA (Furniture Industry Research Association) for BS7449 Mirror Mounting.

Quick and easy to install this tape is trusted, proven and approved to give you complete peace of mind for the task in hand.

## **Page 26 Draught Excluding Foam Tape**

Reduce expensive draughts with this inexpensive tape solution, ideal for letterboxes, windows and doors.

## **Page 28 \*NEW\* Intumescent Tape**

An exciting multi solution tape, in its standard state it is capable of providing a water seal, thermal seal and an air tight seal as well as creating aesthetically pleasing finishes. However when exposed to temperatures in excess of 200°C this tape will expand to create a fire resistant char inhibiting the spread of fire.

## **Page 30 Toffee Tape**

Named so because of its amber hue and it's tacky properties Toffee Tape is a versatile tape that is used to bond membranes, attach kick plates and can even be used as a temporary 'third hand fix'.

## **Page 32 Glass Protection Pads - Clean Peel Adhesive**

Also known as Glass Transit Pads, Glass Transportation Pads, Glass Separator Pads, Glass Spacer Pads and Plop Pads these Glass Protection Pads separate and protect glass, laminates and metal sheeting during storage and transportation.

## **Page 34 Norfix V1200 Double Sided Foam Tape**

A very competitive double sided PE foam tape which is ideal for less critical applications. Coated with a UV resistant acrylic adhesive it bonds to a wide variety of surfaces and is suitable for both internal & external applications.

## **Page 36 Security Glazing Tape**

Prevent the Unexpected Removal of Glass from Externally Glazed Units with BBA Certified Security Glazing Tape.

## **Page 37 CLADeX EPDM Membrane**

EPDM membrane is an elastomeric waterproofing strip used for sealing interfaces to provide an airtight and weather tight seal.



# ▶ Expanding Foam Tape

EXPANDING  
FOAM TAPE



## ▶ Product description

▶ **EXP6** is a PUR sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings up to 100 m high, in accordance with DIN 18055.

▶ **EXP6** fulfils the stringent requirements of the DIN 18542 edition 2009. In addition to providing protection against driving rain to a minimum of 600 Pa (equivalent to wind force 11 - Violent Storm) the vapour permeable joint sealing tape also possesses outstanding thermal and acoustic characteristics, as well as allowing for diurnal movement.

### Applications

A versatile product that has a wide range of uses, but generally for sealing construction joints (including moving joints) in areas such as:

- prefabricated concrete, and other material, elements (including civil engineering)
- perimeter seals for fenestration (windows/doors)
- skylights
- cladding panels
- curtain walling

**Used in a variety of construction methods and industries including:**

- general construction & civil engineering
- steel and/or timber framed buildings
- modular construction and other MMC types

## ▶ Product advantages

- complies with the **DIN 18542 BG 1** and **DIN 18055**
- **reliability through a wider joint application range**
- **seals against wind, dust, driving rain**
- **vapour diffusion permeable**
- **good adhesive properties, to aid application**
- **permanently elastic with long term life expectancy**
- **thermal and acoustic insulation**
- **can be painted over with standard emulsion paints**
- **compatible with all known standard building materials**
- **applications in all construction areas and building types are possible**
- **CE-certified (ETA-07/0072)**
- **constant quality to DIN EN ISO 9001 & DIN standards, with regular controls from independent institutions**
- **externally supervised by ift Rosenheim: for driving rain and air permeability (a-value)**
- **10 year performance guarantee\***

### Service

- standard sizes available from stock
- private label and/or special labelling available
- non standard lengths and widths available on request
- competent experienced technical support available in the field and by phone

### Packaging

Pre-compressed rolls with one side self adhesive (to aid installation) in cardboard cartons

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Technical Data	Standard	Classification
Material description		impregnated PUR flexible foam
Impregnant		fire resistant polymeric dispersion
Colour		grey, black
Classification, according to	DIN 18542	BG 1
Air permeability coefficient	DIN EN 12114	$a < 1,0 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})\text{n}]$ ift externally supervised
Impermeable to driving rain, single joint	DIN EN 1027	> 600 Pa externally supervised by ift Rosenheim
Impermeable to driving rain, joint intersection	DIN EN 1027	> 600 Pa
Temperature stability range	DIN 18542	-30 °C to +90 °C
UV light and weather stability	DIN 18542	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Thermal conductivity	DIN EN 12667	= 0,052 W/m · K
Water vapour diffusion resistance	DIN EN ISO 12572	$\mu < 100$
Long term stability		10 year performance guarantee*
sd-value	DIN EN ISO 12572	< 0,5 m for 50 mm width (vapour diffusion permeability)
Shelf life		2 years, dry and in original packing
Storage temperatur		+1 °C to +20 °C

dimension joint depth x width	recommended joint width *)	(metres) carton
8 / 1 - 2		740,0
10 / 1 - 2	1 - 2 mm	600,0
15 / 1 - 2		400,0
10 / 1 - 4		390,0
15 / 1 - 4	1 - 4 mm	260,0
20 / 1 - 4		195,0
15 / 2 - 6		240,0
20 / 2 - 6	2 - 6 mm	180,0
30 / 2 - 6		120,0
15 / 4 - 9		160,0
20 / 4 - 9	4 - 9 mm	120,0
30 / 4 - 9		80,0
15 / 5 - 12		112,0
20 / 5 - 12	5 - 12 mm	84,0
30 / 5 - 12		56,0
15 / 6 - 15		86,0
20 / 6 - 15	6 - 15 mm	64,5
30 / 6 - 15		43,0
20 / 9 - 20		49,5
25 / 9 - 20	9 - 20 mm	39,6
30 / 9 - 20		33,0
25 / 11 - 25	11 - 25 mm	31,2
30 / 11 - 25		26,0
35 / 18 - 34	18 - 34 mm	26,4
40 / 18 - 34		23,1
40 / 24 - 42	24 - 42 mm	18,2
50 / 24 - 42		15,6

## Sealing System

- **10 year performance guarantee\***
- **tested in accordance with state-of-the-art technology**
- **complies with the principles of the RAL-window installation instructions**
- **fulfils the requirements of the energy saving regulations (EnEV)**

\*On the conditions of the manufacturer (available upon request).

### Alternative dimensions available on request

\*) Movement in structural elements and temporary longitude changes are to be taken into account by the max. joint width.

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.



## ▶ Features/Benefits

- Open cell foam structure allows air and moisture to reach silicone, permitting optimum curing
- High-strength polyurethane foam substrate is chemically compatible with all silicones tested\*
- Low thermal conductivity of foam substrate reduces heat transfer and inhibits condensation on windows, doors and metal systems
- Excellent resistance to weather, fungi and oxidation
- Adhesive on one or two sides for easy placement
- Double-sided adhesive aids in stabilizing component position while silicone cures, even when vertically stacked
- Suitable for on-site structural glazing



## High-Strength Polyurethane Foam Spacer for Structural Glazing and Cladding

NSPlus



## Applications

- Superb spacer for two- and four-sided structural glazing systems
- Thermal break on storm windows and doors
- Die-cut for vibration dampening
- Conventional glazing interior spacer

**THERMALBOND® V2100** features a polyethylene liner that removes easily without tearing. The dual-sided pressure sensitive acrylic adhesive bonds to metal and glass while the semi-rigid foam substrate maintains spacing.

For clear, lightly tinted or monolithic glass, single-sided **THERMALBOND®** adhesive is recommended to reduce the visual impact of any air pockets sometimes induced during the panel fabrication process.

\* Refer to silicone manufacturer for compatibility information. Each project should be individually lab tested to confirm compatibility between **THERMALBOND® V2100**, structural silicone and all other adjacent materials.

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# V2100 Standard Roll Sizes

Sealant No.	**Thickness in. (mm)	Length ft. (m)
V2104	1/8 (3.2)	50 (15.2)
V2106	3/16 (4.8)	50 (15.2)
V2108	1/4 (6.4)	50 (15.2)
V2110	5/16 (7.9)	25 (7.6)
V2112	3/8 (9.5)	25 (7.6)
V2116***	1/2 (12.7)	20 (6.1)

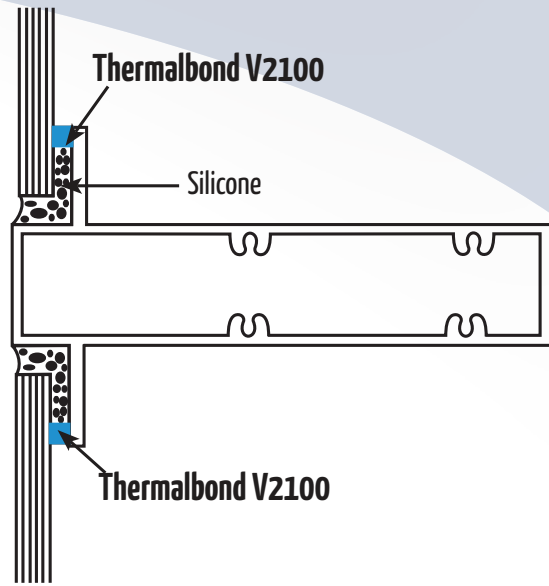
\*\*\*Hard metric sizes available subject to minimum quantity orders.

\*\*\*Minimum order quantity may apply.

† Also available in gray color. Contact your local area manager.

Storage: Material should be stored at 70°F (21°C), 50% relative humidity.

Application Guide: Contact surfaces must be thoroughly cleaned and dry. Once THERMALBOND® V2100 is applied, it cannot be removed and reused, so position sections carefully, making sure product is in contact with all surfaces. If unit is misaligned, remove used THERMALBOND® V2100, discard and repeat application with new material. Test this product for system compatibility as individual application conditions can affect results.



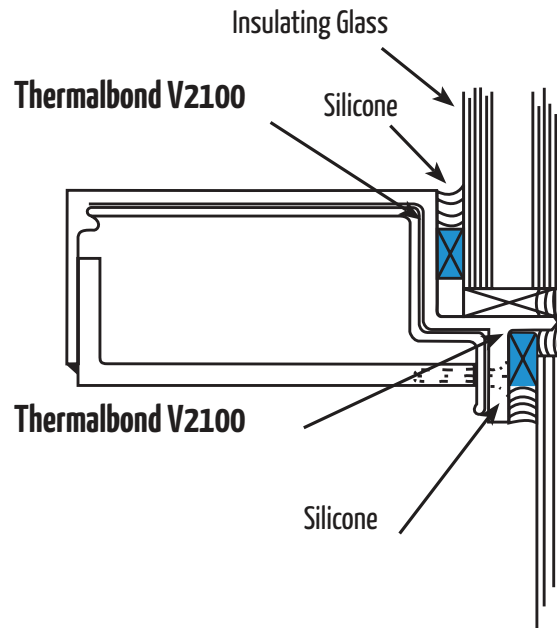
## Typical Physical Properties

Typical	Physical	Properties
Density: lbs./cu. ft. (kg/m <sup>3</sup> )	31 (497)	ASTM D-1667
Force to Compress 10%: psi (kPa)	31 (214)	ASTM D-1667
Hardness: Shore A	35	ASTM D-2240
Tensile Strength: psi (kPa)	180 (1241)	ASTM D-412
Elongation: %	125	ASTM D-412
Dynamic Tensile Adhesion: psi (kPa) 15 minute dwell	55 (379)	NTP-11
Dynamic Shear Adhesion: psi (kPa) 15 minute dwell	40 (276)	NTP-5
Static Shear Adhesion: Hours 1 psi load	2000+	NTP-57
Thermal Conductivity K factor: BTU-in/hr-ft <sup>2</sup> ·°F (w/m·°C)	.55 (0.08)	ASTM C-518
Migratory Staining of Acrylic Enamel: 200 hours of ultraviolet at 140°F	No Staining	ASTM D-925
Recommended Service Temp.:	-40°F (-40°C) to 180°F (82°C)	
Recommended Application Temp.:	60°F (16°C) to 125°F (52°C)	

NTP is Norton Test Procedure. Parameter values are not guaranteed and will differ from lot to lot. For specification writing, contact Saint-Gobain Application Engineering Dept.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

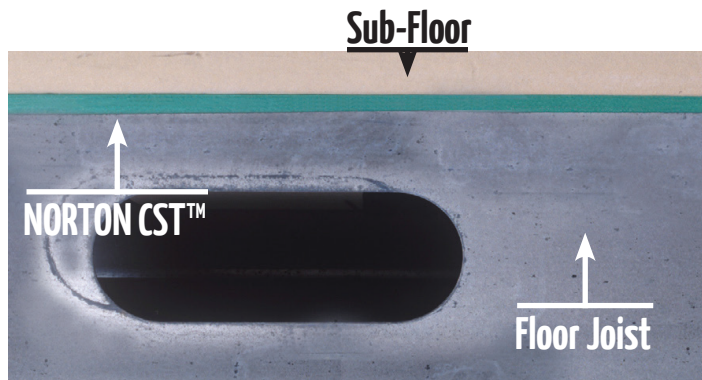


NOTE: THERMALBOND® V2100 is a SPACER material and not intended to be a structural component.



# Norton CST™ Joist Tape for Steel Joists

## For use in Steel Framed Buildings



**NORTON CST™** (Comfort and Silence Tape) is a patented, uniform gasket that provides a unique noise control and thermal break solution to both residential and commercial construction. It has been successfully used for more than 15 years. **NORTON CST™** is a specially formulated closed cell foam tape with pressure sensitive adhesive on one side and a protective durable surface on the other side.



## Noise Control

**NORTON CST™** virtually eliminates squeaks. It leaves a quieter and more comfortable floor preventing costly callbacks! Thanks to NORTON CST™'s ability to dampen vibrations: - Impact sound transmission (IIC rating - Impact Insulation Classification) through floors is reduced up to 10 times! (ASTM E-989). - Airborne sound transmission (STC rating - Sound Transmission Class) through walls is reduced up to 20 times! (ASTM E-90).

## Improved Thermal Performance

When used on either one or two sides of steel framing, NORTON CST™ serves as a thermal break that will help lower energy costs.

## Condensation

**NORTON CST™** does not mold or mildew. By preventing condensation caused by temperature differentials, **NORTON CST™** helps eliminate "ghosting" stains that outline metal studs in the wall. Its durability makes it a lifelong value-added to a residential or commercial building.

## Unique Noise Control & Thermal Break

nssPlus

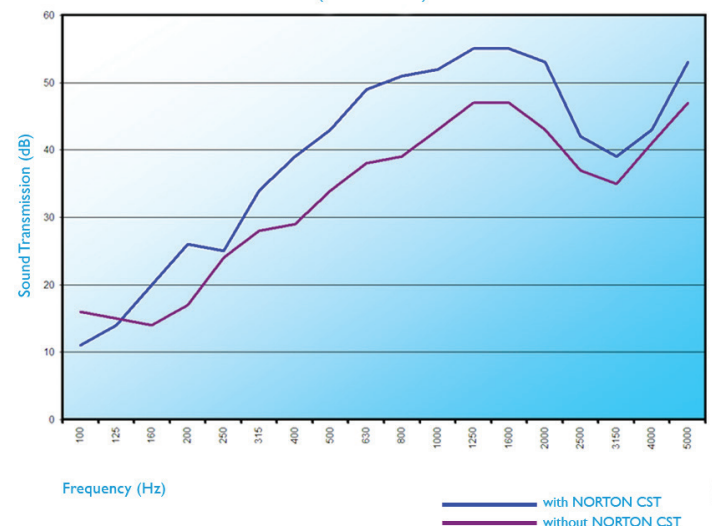
## Features/Benefits

- Uniform gasket: consistent thickness and width throughout.
- Noise reduction: sound transmission noticeably reduced, squeaks/call-backs eliminated.
- Vibration isolation.
- Standard widths: matches industry standards for joists and studs, no waste of material.
- Self-adhesive: quick and clean application, no special skills required.
- Smooth top surface: subfloor slides easily into position.
- Durable: good for life of building.
- Versatile: can be applied on-site or pre-applied off-site.

## Typical Applications

- Residential and commercial construction.
- Floors: steel joists.
- Walls: steel studs.
- Ceilings: steel rafters and trusses.

Noise Reduction in Steel Framed Wall (ASTM E-90)



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# Norton CST™ Joist Tape for Steel Joists

**Thickness:** 3.2 mm

**Length:** 30.5 m

**Width:** up to 1397 mm

Physical Property	Typical Value	Test Method
Flame Spread Classification	15 (Class I)	ASTM E-84/UL723
Smoke Developed Classification	10 (Class I)	ASTM E-84/UL723
Oxidation Resistance	Passed (300 psi at 70°C during 96 h)	*APA 5.7.2.2
Air Permeability @ 30% compression	0 (impermeable)	*NTP-122
Thermal Conductivity (BTU (.in)/Sq. Ft. (hr.) F)	.28	ASTM C-518
Recommended Service Temperature	-20°F to 160°F (-29°C to 71°C)	
Recommended Application Temperature	40°F to 125°F (4°C to 52°C)	
Max Impact Noise Reduction	-10 dB @ 1250 Hz	ASTM E-989
Max Airborne Sound Reduction (through floors)	-19 dB @ 125 Hz	ASTM E-90
Max Airborne Sound Reduction (through floors)	-19 dB @ 500 Hz	ASTM E-90

Note: Values are not guaranteed and will differ from design to design.

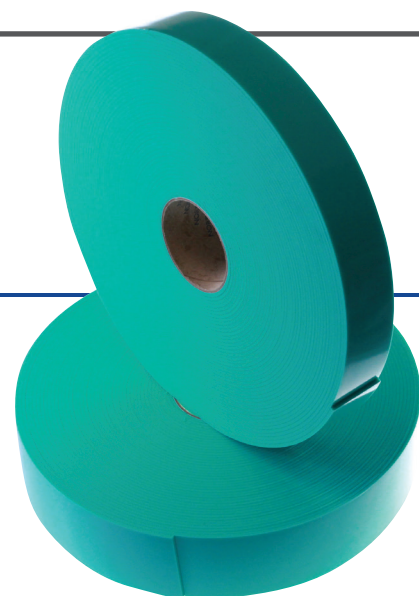
\* NTP = Norton Test Procedure

\* APA = American Plywood Association

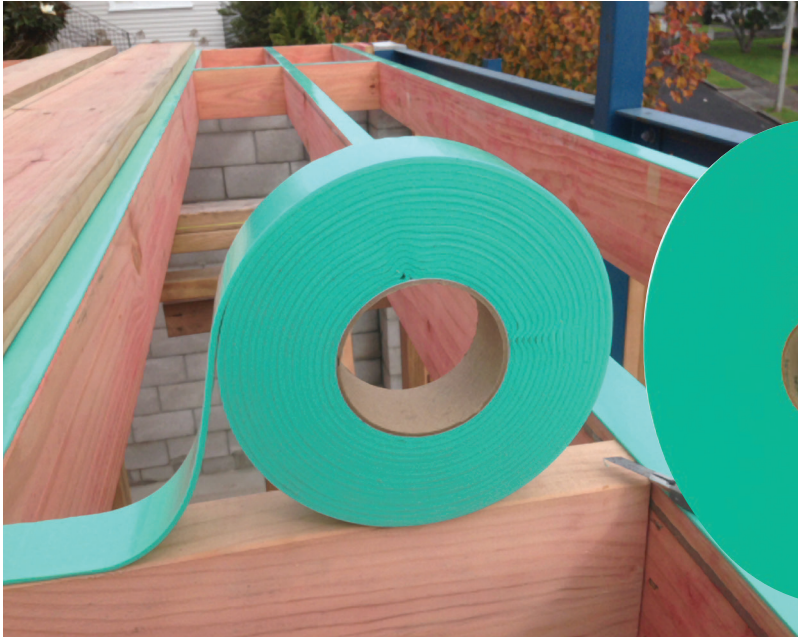
## Application Tips

- Surfaces must be clean of dirt, water, ice.
- **NORTON CST™** is used in place of sub-floor glue - do not use any additional glue.
- Structural code requirements: use "nail-only" data when calculating joist spans (contrary to "glue-nailed" floors, no span increase is permitted).
- Use ring-shanked nails or screws as mechanical fasteners.
- Do not peel off liner (top surface).

The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to make sure he is in possession of the latest version of the product data sheet. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, user must test this product under individual application conditions. The application, the use and the conversion of this product are under the user's responsibility.



# Norton CST™ Joist Tape for Wooden Joists



One of the biggest noise complaints is the sound of footsteps and squeaky floors. The squeaking that's driving you crazy occurs naturally when floors settle, and joists rub together with subflooring.

**There's an easy solution: Norton CST Noiseproofing Joist Tape for Wooden Joists.**

**Norton CST Joist Tape** comes in three standard width sizes based on the most common joist sizes in new construction projects and as with all our tapes, bespoke sizes are made to order for your specific project.

**Norton CST™** offers an easy-to-use solution to subfloor squeaks. The squeak is often caused by gaps between the subfloor and the joist.

**Norton CST™** virtually eliminates squeaks; it leaves a quieter & more comfortable floor.

Impact Sound Transmission (IIC Rating- Impact Insulation Classification) through floors is reduced up to 10 Times!  
Airborne Sound Transmission (STC Rating – Sound Transmission Class) through wall is reduced up to 20 Times!

## Advantages

Creates a quieter, more comfortable home, virtually eliminates call backs from squeaky subfloors  
Greatly reduces impact sound transmission (IIC) from upper rooms  
Closed cell foam does not mold or mildew  
Apply on exterior studs for thermal and acoustical control  
Applied between joists and subfloor sheathing or between sill plate and foundation

- **Vibration isolation**
- **Standard widths: matches industry standards for joists and studs, no waste of material**
- **Self-adhesive: quick and clean application, no special skills required**
- **Smooth top surface: subfloor slides easily into position**
- **Durable: good for life of building**
- **Versatile: can be applied on-site or pre-applied off-site for speedy installation**

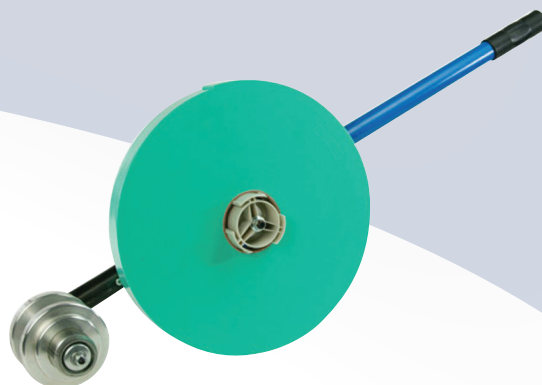


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# Norton CST™ Joist Tape for Wooden Joists



## TIME

### Installs In No Time

Rolling Green Glue Noiseproofing Joist Tape takes practically no time at all and can easily be incorporated into flooring jobs.



## Easy

### Easy Rolling

Green Glue Noiseproofing Joist Tape installs easily with our patented roller. Simply roll tape onto floor joists, adhesive side down, and install subflooring on top.



## WORKS

### Dampingly Effective

Green Glue Noiseproofing Joist Tape practically eliminates squeaking. It also acts as a form of insulation to improve energy efficiency.

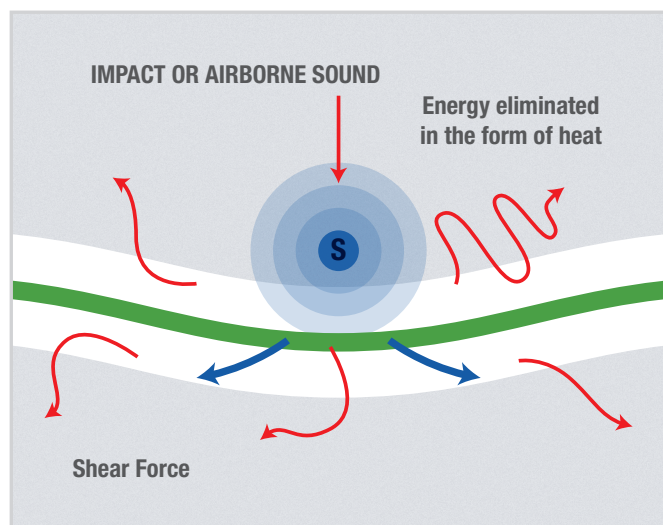
Physical Property	Typical Value	Test Method
Flame Spread Classification	15 (Class I)	ASTM E-84/UL723
Smoke Developed Classification	10 (Class I)	ASTM E-84/UL723
Oxidation Resistance	Passed (300 psi at 70°C during 96 h)	*APA 5.7.2.2
Air Permeability @ 30% compression	0 (impermeable)	*NTP-122
Thermal Conductivity (BTU (.in)/Sq. Ft. (hr.) F)	.28	ASTM C-518
Recommended Service Temperature	-20°F to 160°F (-29°C to 71°C)	
Recommended Application Temperature	40°F to 125°F (4°C to 52°C)	
Max Impact Noise Reduction	-10 dB @ 1250 Hz	ASTM E-989
Max Airborne Sound Reduction (through floors)	-19 dB @125 Hz	ASTM E-90
Max Airborne Sound Reduction (through floors)	-19 dB @ 500 Hz	ASTM E-90



# ▶ Green Glue Noise Proofing Compound

**GREEN GLUE**  
noiseproofing compound

n55Plus



- ✓ **No measuring or troweling needed**
- ✓ **Simple to use in floors, ceilings, and walls**
- ✓ **For use in new construction, remodels, and retrofits**
- ✓ **Trusted by builders, contractors, architects, and DIYers**

## Product Description:

Green Glue Noiseproofing Compound is used between two or more sheets of commonly specified building materials such as drywall, plywood, and OSB, to reduce the amount of sound transmission between two rooms. Typical applications are for wall, floor, and ceiling assemblies to reduce airborne and impact noise.

## Advantages:

- **Fast** – Quickly applied with no measuring or troweling needed
- **Easy** – Simple to dispense with no specific application pattern necessary
- **Versatile** – For use in new construction, remodels, and retrofits
- **Proven** – Leading manufacturer of soundproofing technologies
- **Trusted** – Used by builders, contractors, architects, and DIYers
- **Multi-Purpose** – For use in walls, ceilings, and floors in a variety of applications
- **Safe** – Independently tested by Underwriters Laboratories for fire safety and environmental impact
- **Effective** – Validated by third-party laboratory testing
- **Sustainable** – Can help achieve LEED Certification

## Product Specifications:

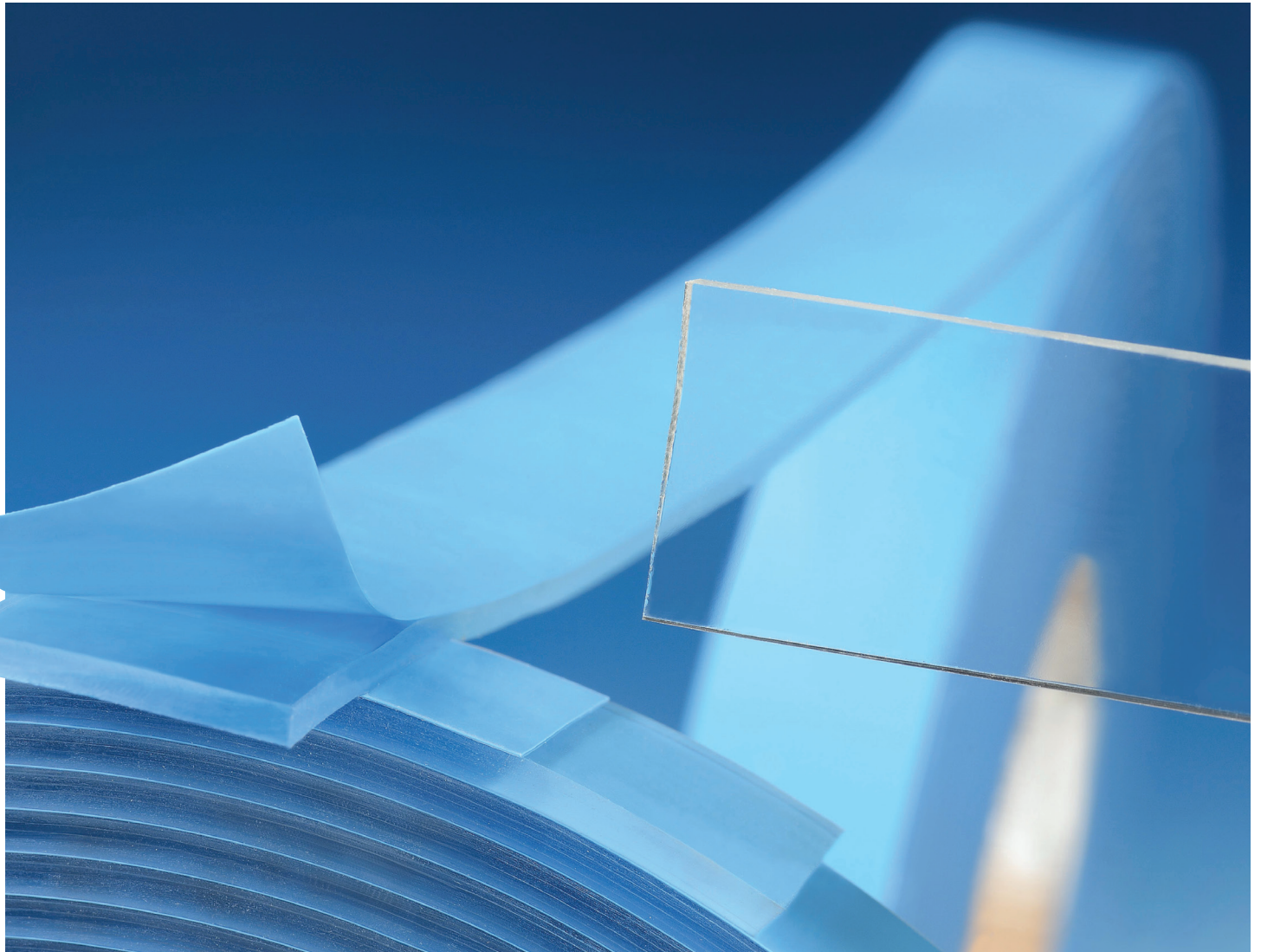
<b>Solid Content:</b>	61% +/- 5%
<b>Viscosity:</b>	Light Paste 52,000-56,000cps (#RV-6 @ 10rpm)
<b>Color:</b>	Green
<b>Odor:</b>	Mild, none after drying
<b>Weight:</b>	8.6 +/- 0.5 lbs./gal
<b>Working Time:</b>	15 minutes
<b>Working Temperature:</b>	40°F to 90°F (4°C to 32°C)
<b>Curing Time:</b>	30 days
<b>Coverage:</b>	16-32 sqft per tube / 365-730 sqft per pail
<b>Packaging:</b>	28oz. (828mL) tube / 5 gallon (18.9L) pail
<b>Shelf Life:</b>	One year

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## Clear, Double-Sided, Acrylic Core Tape

Saint-Gobain **NORBOND**® A7200 series is a transparent, acrylic core tape with outstanding viscoelastic and adhesion properties. Virtually invisible after application, **NORBOND**® A7200 satisfies special visual and design requirements when bonding to glass or clear surfaces. A7200 is formulated for durable, long-lasting adhesion, exceeding industry standards for shear strength and bonding to high surface energy substrates, even at elevated temperatures.

## The A7200 series viscoelastic core is specially designed to provide the following features:

- Great conformability and stretching
- Resistance to weathering degradation (UV and high temperature)

- Excellent performance in T-block and dynamic shear
- Outstanding static shear adhesion
- Durable adhesion at elevated temperatures
- Shock and stress absorption
- Uniform, invisible bonding

## Available Sizes

**Standard thickness:** 0.5, 0.7, 1.0, 1.5, 2.0 and 3.0 mm

**Master roll size:** 800 mm x 33, 20, 15 and 10m

**Special thickness and roll sizes also available.**

## Applications

- Glass furniture component bonding
- Security glass lamination
- Translucent signage
- Bath and shower hardware
- Visual communication
- Appliance components
- Polycarbonate bonding

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# A7200 Series Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

## Options (subject to minimum order requirements)

Adhesive base: Color tinting of the acrylic core is available upon request. Liner: A variety of substrate options (thickness, polymer, color, graphic printed) and release level options are available upon request.

## Important Instructions

Because Saint-Gobain cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

Surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface.

Apply a uniform pressure of 15 psi (103 kPa) to promote good contact between the material to be bonded and the tape. The application temperature should be between

60°F and 125°F (16°C to 52°C). It is not recommended to apply these tapes at temperatures below 60°F (16°C), as the adhesive does not flow in this condition and can result in poor bonding. The adhesion between the substrate and the tape increases with time, typically reaching final bond strength in 72 hours. Heating the product above 105°F (40°C) will accelerate the adhesion process.

## Shelf Life

12 months after date of sale when stored in original packaging at 70°F (21°C) and 50% relative humidity.

## Need more adhesion? Stick with NORBOND® Adhesion Promoters.

**NORBOND®** adhesion promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on A7200 bonding tapes). **NORBOND®** improves bonding on substrates that resist adhesion. It can be used to develop an immediate quick-stick and generally improves pressure-sensitive acrylic adhesive systems. This enhances adhesion to irregular and curved surfaces. Various formulations are available for specific substrates.

Thickness Without Liner	90° Peel Adhesion <sup>1</sup> (3-day dwell)				T-Block <sup>2</sup>	Dynamic Shear <sup>3</sup>	Static Shear <sup>4</sup>	Service Temperature	UV Light Resistance
	Glass	Aluminum	Stainless Steel	PMMA	Aluminum	Stainless Steel	Stainless Steel		
mm	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm <sup>2</sup> (lb/in <sup>2</sup> )	N/cm <sup>2</sup> (lb/in <sup>2</sup> )	7 days/1 kg		
0.5	23 (13)	33 (19)	18 (10)	17 (10)	77 (112)	46 (67)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
0.5	23 (13)	33 (19)	18 (10)	17 (10)	77 (112)	46 (67)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
0.7	22 (12)	36 (21)	18 (10)	19 (11)	69 (100)	21 (30)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
1.0	22 (13)	40 (23)	18 (10)	20 (11)	65 (94)	22 (32)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
1.5	34 (20)	24 (13)	30 (17)	23 (13)	76 (111)	50 (73)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
2.0	35 (20)	30 (17)	30 (17)	23 (13)	68 (98)	38 (55)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
3.0	29 (17)	33 (19)	27 (16)	29 (17)	43 (63)	45 (66)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>

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**Limited Warranty:** For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**NOTE:** Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.



**Normount® V2800, a closed-cell polyurethane foam mounting tape, is ideal for exterior mounting applications.**

## **Ideal for Exterior Mounting Applications**

**Normount V2800** mounting tape is an energy-dissipating, conformable, closed-cell polyurethane foam substrate with a high-performance acrylic adhesive on both sides. Normount is an ideal choice for severe exterior mounting applications. The product is durable in all weather conditions, and provides resistance against UV light, extreme temperature, fungi, oxidation and ozone.

## **Advantages of Using Normount®**

Reduction or elimination of mechanical fasteners such as screws and rivets, liquid adhesives, welds and subsequent surface refinishing enhances productivity. Elimination of mechanical fasteners saves time, increases productivity, reduces costs and improves overall product appearance.

## **Dissipates Vibrations and Stresses**

The foam properties of Normount dissipate vibrations and distribute stress over the entire bond line. Normount's adhesive, which further enhances its durability has been specially formulated to provide an improved quick-stick and ultra-high bond strength.

## **Quick-Stick Speeds Installation**

In a range of applications, including industrial bonding, construction bonding and transportation bonding, Normount speeds installation time and enhances user productivity with its "quick-stick" feature. Acrylic adhesive on both sides of the tape ensures maximum contact with the surface and a strong bond.

## **Compatible with Other Substances**

Normount is compatible with polycarbonates, acrylic plastics and most silicones tested by Saint-Gobain. Normount is available in black, and has no VOC (Volatile Organic Compound) emissions.

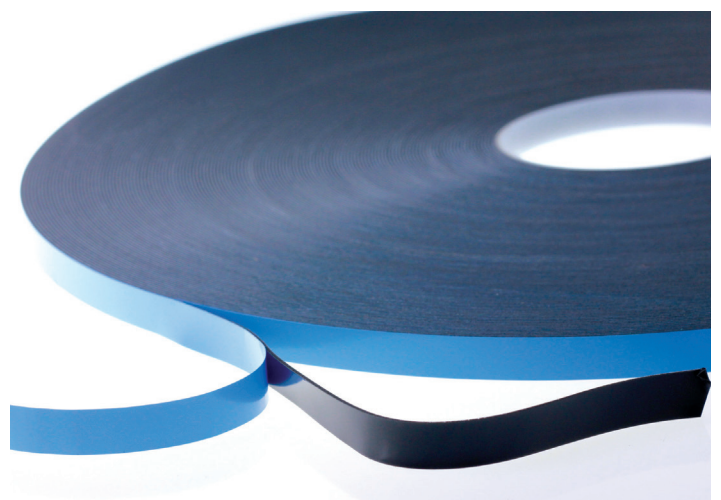
# ***Energy-Dissipating, Closed-Cell Polyurethane Foam Substrate With a High- Performance Acrylic Adhesive on Both Sides***

## **▶ Features / Benefits**

- Stress Distribution Reduces Pressure Points, Thereby Minimizing Distortion
- Standard Polyethylene Liner Excels in Automated Production
- High-Performance, Durable Acrylic Adhesive Provides a Strong, Long-Lasting Bond
- Conformable, Closed-Cell Polyurethane Foam has Excellent Environmental Resistance
- Prevents Corrosion of Dissimilar Materials by Eliminating the Contact Between Them

## **Typical Applications Include the Attachment of : Emblems and Ornamentation**

- Signs and Nameplates
- Window Muntin Bars
- Panel Stiffeners
- Trailer Roof Bows
- Weather Stripping
- Body Side Moulding
- Security Glass Lamination



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# V2800 Standard Roll Sizes

**Colour:** Black

**Core:** 3" ID

**Widths:** from 6 mm to 1.422 mm

**Thicknesses:** 0.8 / 1.2 / 1.6 mm

**Length:** 61 m

## Non-Standard roll lengths are available on special order.

**Standard Liner:** Powder-blue polyethylene liner is standard. Other liners may be available with minimum order requirement. Contact Saint-Gobain Performance Plastics Customers Service Department for further information.

**Storage:** Material should be stored at 21°C, 50% relative humidity.

**Application Guide:** Static weight loads should not exceed 35 gm/cm<sup>2</sup>. Saint-Gobain Performance Plastics recommends testing all products under actual application conditions prior to commercial use. Do not use on fabric, coarse concrete, loose paint, rough wall paper or similar surfaces.

For maximum adhesive performance, prepare the contact surface by removing dirt, was, soap and oily films with a cleaning solvent. A typical cleaning solvent is a 50/50 isopropyl alcohol/water mixture. It may be necessary to seal and/or prime the contact surface. If added adhesion is desired, Saint-Gobain Performance Plastics recommends the use of Tite-R-Bond™ Adhesion Promoter. The greater the adhesive-to-surface contact (known as wet-out), the better the adhesive bond strength. Apply the tape to the first surface with the liner on, then firmly rub down. Remove the liner just prior to bonding surfaces together and apply firm pressure to ensure full contact.

Bond strength is dependent on the substrate surface, application temperature and dwell time. When possible, allow 24 hours dwell time at room temperature before loading.

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## Need More Adhesion? Stick with Saint-Gobain Tite-R-Bond™ Adhesion Promoters.

**Tite-R-Bond™** adhesion promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on Normount mounting tapes). Tite-R-Bond™ improves bonding on substrates that resist adhesion. It can be used to develop an immediate quick-stick and generally improves pressure-sensitive acrylic adhesive systems. This enhances adhesion to irregular and curved surfaces. Various formulations are available for specific substrates.

## Typical Physical Properties

Property	TestMethod	Value
180° Peel Adhesion (N/m) 15min. Dwell To Stainless Steel	PSTC-101	1.181
Dynamic Shear Adhesion (kPa) 72 hr dwell Stainless	NTP*-5	827
Dynamic Tensile Adhesion (kPa) 24 hrs dwell aluminium to paint	NTP*-5	689
Tensile Strength of Foam (kPa)	ASTM D-412	896
Elongation of Foam: %	ASTM D-412	275
Water absorption: % by weight	NTP*-36	5
Recommended Service Temp.		-40°C to 93°C
Recommended Application Temp.		16°C to 52°C

NTP is Norton Test Procedure  
Parameter values will defer from lot to lot.  
For specification writing, contact Saint-Gobain Technical Service Department.



# ▶ Scapa Single Sided Self-Adhesive Foam Products

## For water, air, dust and draught sealing, gap filling, cushioning and protecting

As Europe's leading manufacturer of self-adhesive foam material, Scapa have specialist expertise in manufacturing and developing foam products for bonding, sealing, cushioning, protection, mounting and fixing applications. The Scapa single sided foam range provides solutions to practically every industry for applications such as water, air, dust and draught sealing, gapfilling, cushioning and protecting. The products are economical, easy and quick to apply, clean to use, adaptable, versatile and consistent. Scapa can supply the foam tape range in a variety of formats

including logs, rolls, bobbins, pads, discs, sheets, washers, gaskets or other die cut shapes to suit every application requirement.

The products included in this brochure are the core, standard product range. Other colours, thickness' and product structures are available upon request.

## Scapa European contacts

Scapa is a leading global manufacturer and supplier of technical adhesive tape solutions and polymer-based products to virtually every industry. With offices and manufacturing sites across the world, Scapa offers specialist applications expertise and products from stock or as custom design, either directly or through a network of Select Partners and Authorised Agents.

Product Thickness (mm)

	0.8	1.5	2	2.5	3	3.3	4	4.5	5	6	7.5	9	10	10.5	12	15
3024						x										
3099					x			x		x		x			x	
3124							x		x							
3154					x			x		x					x	
3204					x			x								
3209					x			x		x						
3239				x												
3257		x			x			x		x						
3259		x			x			x		x	x	x		x	x	x
3492					x			x (20)								
3507	x	x		x	x			x		x						
3509	x (80)	x			x			x		x						
3594					x			x								
3824			x (40)		x		x (20)		x	x (15)						
3829			x (40)		x		x (20)		x (15)	x			x			

Standard Roll Length (m)

Thickness (mm)	0.8	1.5	2	2.5	3	3.3	4	4.5	5	6	7.5	9	10	10.5	12	15
Length (m)	60	50	30	30	25	9	15	15	12	12	10	8	7	7	6	5

Tolerances

Thickness PVC foam ± 10% (0.8mm: -15% to +20%)

Below 25mm ±0.5mm

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Product	Colour	Compression to Effect Seal %	Seal Type	Shore Hardness '00	Force to Compress N/cm <sup>2</sup>	Compression deflection N/cm <sup>2</sup>	Service Temperature °C	Description / Applications
<b>Soft Range</b>								
3099	Black	30	Water	20	1.9	1.1	-30 to +70	<ul style="list-style-type: none"> <li>UV resistant PVC foam</li> <li>Very soft with easy compression</li> <li>Ideal for irregular or uneven surfaces</li> <li>Suitable for anti-rattle, anti-vibration applications, producing watertight seals and cushioning</li> </ul>
3124	White	50	Air & Dust	N/A	0.85	0.65	-30 to +70	<ul style="list-style-type: none"> <li>UV resistant PVC foam</li> <li>Very soft with easy compression</li> <li>Fixed polyester liner for clean make or break seal</li> <li>Used in applications requiring a dust seal</li> </ul>
3204 3209	White Black	30	Water	30	2.7	2.2	-30 to +70	<ul style="list-style-type: none"> <li>Soft UV resistant PVC foam</li> <li>Soft multi-purpose foam seal</li> <li>Approved to DIN 4102 Pt1 B2</li> <li>Used for lightweight watertight sealing</li> </ul>
<b>Medium Range</b>								
3024	White	30	Weather	N/A	3.9	3.4	-30 to +80	<ul style="list-style-type: none"> <li>Medium hardness UV resistant PVC foam with fixed polyester backing</li> <li>For reducing heat transfer to Polyethylene film in horticultural clothes – “anti hot spot foam tape”</li> </ul>
3154	White	50	Air & Dust	25	1.9	1.1	-30 to +70	<ul style="list-style-type: none"> <li>Medium hardness UV resistant PVC foam</li> <li>Excellent recovery properties</li> <li>Good resilience</li> <li>Used in sealing and cushioning applications</li> </ul>
3239	Black	30	Weather	N/A	3.9	3.5	-30 to +70	<ul style="list-style-type: none"> <li>Multi-purpose UV resistant PVC foam seal</li> <li>Fixed Polyester backing</li> <li>Used in applications where a make or break seal is required to create a weatherproof seal</li> </ul>
3257 3259	Grey Black	30	Water	35	3.2	2.7	-30 to +70	<ul style="list-style-type: none"> <li>Medium hardness UV resistant PVC foam</li> <li>Similar properties to Neoprene</li> <li>Approved to DIN 4102 Pt1 B2</li> <li>Used as multi-purpose foam seal, metal separator</li> <li>3257 accredited to UL® 50E FILE No. MH48938</li> </ul>
<b>Hard Range</b>								
3492	Green	30	Water	60	8.7	6.4	-30 to +70	<ul style="list-style-type: none"> <li>Specially formulated low tack adhesive</li> <li>Very hard UV resistant PVC foam with removable PET liner</li> <li>Designed for separating and protecting glass during assembly and transportation</li> <li>Will leave no adhesive residue on removal</li> </ul>
3507 3509	Grey Black	30	Water	50	6.1	5.0	-30 to +70	<ul style="list-style-type: none"> <li>Hard UV resistant PVC foam</li> <li>Designed for high load bearing applications</li> <li>Ideal for vibration damping and cushioning</li> <li>Approved to DIN 4102 Pt 1 B2</li> </ul>
3594	White	30	Water	45	5.1	4.3	-30 to +70	<ul style="list-style-type: none"> <li>Flame retardant UV resistant PVC foam</li> <li>Multi-purpose foam seal, especially where a high degree of flame retardancy is required</li> <li>Achieves class 1 to BS476 part 7</li> <li>UK Building Regulations, Achieves Class 0</li> </ul>
3824 3829	White Black	20	Weather	55	3.0	2.5	-30 to +80	<ul style="list-style-type: none"> <li>PE foam with fixed LDPE backing</li> <li>Approved to DIN 4102 Part B3</li> <li>Ideal for air and weathertight seals, as a corrosion inhibitor, and anti slip pads</li> <li>Rubber resin adhesive</li> </ul>

**All foam tapes have acrylic adhesive unless otherwise stated. Waterseals also act as air/dust seals. Higher service temperature products are also available.**

This information is provided by Scapa for information only. The information is considered to be reliable but accuracy is not guaranteed.

Any results shown in this information may not be relevant to all users of the product and it is the user's responsibility to determine the suitability of the product for its intended purpose.

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Scapa does not exclude liability for death or personal injury arising from its negligence or fraud.

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## ▶ Eliminate Ghosting

Ghosting lines or tracking on the interior walls of your home are unsightly and, more importantly, point to a temperature difference in your wall that can be costing you money. Small particles from cooking, heating systems, candles and everyday living float around in our air. At higher temperatures they tend to stay more in motion. But when the particles encounter a colder surface, say, where a 2x4 stud is behind your gypsum drywall, the particles tend to stick and collect. This, over time, leads to lines and unsightly stains on your wall at the studs and ceiling joists.

By thermally protecting the stud with Thermalbreak Tape you even out the temperature on the surface, and save some energy, too!



## ▶ Features / Benefits

- Saves Energy
- Reduces the need for premature redecoration
- Uniform gasket: consistent thickness and width throughout.
- Noise reduction: sound transmission noticeably reduced, squeaks/call-backs eliminated.
- Standard widths: matches industry standards for I-joists and studs, no waste of material.
- Self-adhesive: quick and clean Application no special skills required.

**Durable:** good for life of building. **Versatile:** can be applied on-site or pre-applied off-site.

## Condensation

Thermalbreak Tape does not mould or mildew. By preventing condensation caused by temperature differentials, Thermalbreak Tape aids the elimination of "ghosting" stains that outline metal studs in the wall. Its durability makes it a lifelong value-added addition to a residential or commercial construction.

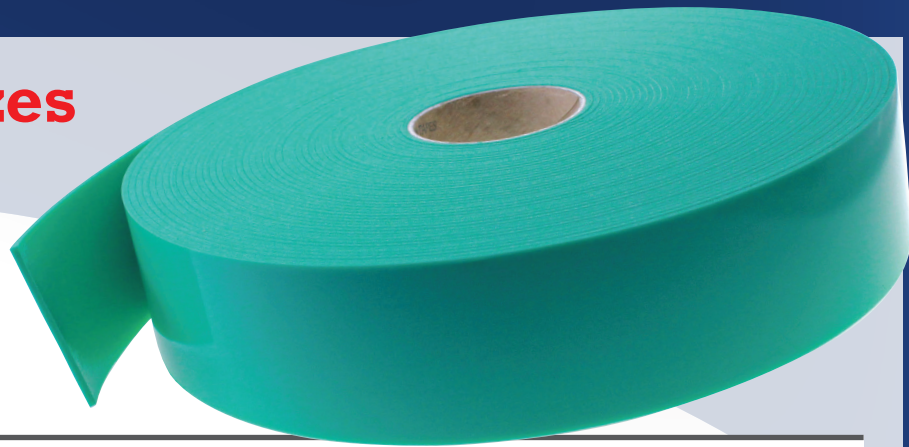


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# Tape Standard Sizes



**Thickness:** 1/8" (3.2 mm)  
**Length:** 100' (30.5 m)  
**Width:** up to 55" (1397 mm)

Physical Property	Typical Value	Test Method
Flame Spread Classification	15 (Class I)	ASTM E-84/UL723
Smoke Developed Classification	10 (Class I)	ASTM E-84/UL723
Oxidation Resistance	Passed (300 psi at 70°C during 96 h)	*APA 5.7.2.2
Air Permeability @ 30% compression	0 (impermeable)	*NTP-122
Thermal Conductivity (BTU (.in)/Sq. Ft. (hr.) F)	.28	ASTM C-518
Recommended Service Temperature	-20°F to 160°F (-29°C to 71°C)	
Recommended Application Temperature	40°F to 125°F (4°C to 52°C)	
Max Impact Noise Reduction	-10 dB @ 1250 Hz	ASTM E-989
Max Airborne Sound Reduction (through floors)	-19 dB @ 125 Hz	ASTM E-90
Max Airborne Sound Reduction (through floors)	-19 dB @ 500 Hz	ASTM E-90

Note: Values are not guaranteed and will differ from design to design.

\* NTP = Norton Test Procedure

\* APA = American Plywood Association

## Application Tips

- Surfaces must be clean of dirt, water, ice.
- **NORTON CST™** is used in place of sub-floor glue - do not use any additional glue.
- Structural code requirements: use "nail-only" data when calculating joist spans (contrary to "glue-nailed" floors, no span increase is permitted).
- Use ring-shanked nails or screws as mechanical fasteners.
- Do not peel off liner (top surface).

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



# Norfix® Mirror Mounting Application Guide

**Norfix®** Mirror mounting tapes are double sided white closed cell cross linked polyethylene foam with Pressure Sensitive adhesives on both surfaces, protected by a siliconised paper liner.

The rubber adhesives combine excellent tack and load bearing at normal temperatures. These products are designed for interior applications where the bond is not exposed to severe U.V. radiation. V1500 and V1550 products exhibit high bond strength and peel performance to various substrates such as plastics including polycarbonate, PVC, PE, PS, glass, wood, metals etc. (FIRA Approved)

The acrylic adhesive has been developed for high shear applications requiring excellent resistance to UV and elevated temperatures. The high tack of the V1600 adhesive allows an excellent bond to build between the two substrates, reaching its maximum strength in approximately 24 hours.

The PE foam is available in a wide range of thickness and density variations in order to offer conformable products suitable for uneven, irregular or contoured materials. The typical thickness grades are 0.8mm, 1.0mm and 1.5mm with widths of 19mm and 25mm.

	V1500 and V1550 rubber adhesives			V1600 acrylic adhesive		
	0.8mm	1.0mm	1.5mm	0.8mm	1.0mm	1.5mm
180° Peel adhesion from stainless steel	>10 N/cm	>7 N/cm	>9 N/cm	>8 N/cm	>7 N/cm	>8 N/cm
Static shear strength	Minimum 500 hours with 5Kg on 625mm <sup>2</sup> at 23°C			Minimum 100 hours with 2Kg on 625mm <sup>2</sup> at 23°C		
Service Temperature	-40°C to +50°C			-40°C to +80°C		
Water absorption	Maximum 1%			Maximum 1%		

To promote an adequate bond, the two surfaces must be smooth, dry and free from dust or grease. All surfaces should have a solid construction in order to bear the weight of the mirror, thicker Norfix grades will accommodate any minor surface irregularities. The adhesive is pressure sensitive, we therefore recommend the application to be carried out at a minimum of 15°C with as high a pressure as the process allows. With non polar materials like PP or PE, it is often necessary to prime the surface or to use a Corona Pre-Treatment. Additional details are available on request.

To ensure the shear strength is evenly distributed, the pads must be applied at the four corners or along the vertical edges of the mirror. This method of bonding avoids undesirable cleavage stress but inclined or overhead mirrors should be secured additionally by mechanical fastening methods.

The tables below show the total length of tape required to permanently bond the mirrors into place. The recommended coverage has been calculated based on a recommendation by BS 7449, 1991 and on investigations carried out on our behalf.

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# Application & Assembly

Area of Mirror (cm <sup>2</sup> )	Minimum Length of V1500 and V1550 tape (cm)								
	19mm *		25mm *		19mm *		25mm *		
250	3mm mirror	4	3	4mm mirror	5	4	6 mm mirror	8	6
500		8	6		10	8		16	12
750		12	9		16	12		23	18
1000		16	12		21	16		31	24
1500		23	18		31	24		46	35
2000		31	24		41	31		62	47
3000		46	35		62	47		93	71
4000		62	47		83	63		124	94
5000		77	59		103	78		155	118
6000		93	71		124	94		186	141
7000		108	82		144	110		217	165
8000	124	94	165	125	248	188			
9000	139	106	186	141	279	212			
10000	155	118	206	157	310	235			

Area of Mirror (cm <sup>2</sup> )	Minimum Length of V1500 and V1550 tape (cm)								
	19mm *		25mm *		19mm *		25mm *		
250	3mm mirror	5	4	4mm mirror	6	5	6 mm mirror	10	8
500		10	8		13	10		20	15
750		15	11		20	15		29	23
1000		20	15		26	20		39	30
1500		29	23		39	30		58	44
2000		39	30		51	39		78	59
3000		58	44		78	59		116	89
4000		79	59		104	79		155	118
5000		96	74		129	97		194	148
6000		116	89		155	118		233	176
7000		135	103		180	138		271	206
8000	155	118	206	156	310	235			
9000	174	133	233	176	349	265			
10000	194	148	258	196	388	294			

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# ▶ Draught Excluder Foam Tape **LYN3124**

## ▶ Product description

White Self-adhesive soft foam draught seal for gaps of 1-5mm around doors and windows. Fixed Polyester liner on the non adhesive face to aid release and easy to apply with solvent acrylic adhesive which is suitable for interior and exterior application.

Seals against air and dust upon compression of at least 50% providing a draught free environment.

Can also be used for gap filling and creating a make break seal, also used for preventing electrolytic corrosion and general cushioning.

## ▶ Product advantages

Seals all gaps from 1-5mm against draughts & dust  
Foam will return to original shape.

Easy to use self-adhesive foam.

Ideal for all windows and doors - including metal

Also suitable for loft hatches.

Fixed polyester Liner aids ease of opening

Service temperature  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Application temperature:  $+10^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

Shelf life of 1 year

Coated on one side with a high quality pressure sensitive acrylic adhesive.

Good resistance to dilute acids & alkalis

Very good Ultra violet {UV} Light resistant

Resistance to abrasion, corrosion and moisture

Suitable for indoor and outdoor environments

No known hazards associated with this product

Clean edge nish



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# Technical Specification

Conforms to European Directive 2000/53 EC (lead, chromium VI, mercury, cadmium free)

## Standard Presentation

Logs, Rolls, Die Cuts, Spools  
Thickness: 5.0 mm

## Recommendations

Surfaces must be clean, dry, free from grease and dirt.

Recommended cleaning agent is Propan-2-ol, Please note manufacturer's safety instructions should be followed and customers are recommended to ensure compatibility of the solvent with their substrate.

Ideal bonding substrates are those which are: clean, dry, flat, smooth, dust free & non-porous.

Low temperatures may increase the risk of condensation, reducing the tack of the product.

Life expectancy will vary with temperature and humidity.

Product may be applied by hand direct from a roll applying even pressure.

Customers are recommended to make their own assessment of our products under their own conditions, for their own requirements.



## ► Technical Properties

	Unit	Nominal Value
Force To Compress By 50%	Ncm-2	1.1
Compression Deflection After 1 Minute	Ncm-2	0.8
10 Minute 180° Peel Adhesion	N/25mm	5.0

**Quality isn't Expensive... it's Priceless**



# ▶ Norseal FS1000 Series

## ▶ Applications

- Construction: joints in walls, floors, ceilings, windows and doors, HVAC and many other critical areas requiring fire compartmenting
- Automotive: protection of fuel tanks, (H)EV battery packs, etc.
- Aerospace: seats, freight compartments and other critical areas

## Intumescent, Airtight, Watertight and Resilient Sealing Foam

Saint-Gobain **NORSEAL**® FS1000 Series is a proprietary, high-performance foam tape designed with a unique combination of sealing properties. FS1000 is expandable and fire resistant, blocking smoke, air and water. In its natural state, FS1000 is soft, conformable, and easy to attach to complex surfaces.

- Expandable and fire resistant. When heated to more than 200°C, FS1000 will expand and form a fire-resistant char, blocking fire, smoke and hot gases.
- Airtight. Compressed by 30%, FS1000 is airtight up to a pressure of 1000 Pa, depending on the surface of the application.
- Watertight. FS1000 is watertight when compressed by 30%.
- Compressible and resilient. It can be easily compressed and comes back to its original thickness after compression.
- Vibration damping. As a result of its resilience, FS1000 is able to damp vibrations and decouple two elements.
- Conformable. Soft; will conform to uneven surfaces.
- Easy installation. Produced in various thicknesses and can be delivered with adhesive on one side for easy application.
- Environmentally friendly. Contains no halogen compounds, and there are no concerns of toxic gas emissions when heated. The material does not disperse dust during installation, so it is safe for workers and other people nearby.



**Class V-0**

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# FS1000 Series Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Category	Property		Standard	Unit	Value
Thickness			-	in (mm)	.24 - .35 - .51 (6.0 - 9.0 - 13.0)
Density			ASTM D1056	kg/m <sup>3</sup>	240
Dynamic properties	Force to Compress	@20%	ASTM D1667	psi	13 - 36
		@40%			43.5 - 101.5
		@60%			119 - 232
	Compression Force Deflection	@20%			5.8 - 16
		@40%			17.5 - 43.5
		@60%			49.5 - 104.5
	Tensile Strength		ASTM D412 A	psi	26 - 32
	Elongation at Break			%	85 - 120
	Compression Set @15 days at 50% at 23 °C		ASTM D1667	%	5
Combustion	ASTM 4986		ASTM 4986	Classification	V0
	Limit oxygen index		ISO 4589-2		27.5
	EU small flame test		ISO 11925-2	Equivalent classification	B
	Expansion ratio		PRT129	%	200
	Temperature of activation		PRT130	°C	200
Insulation properties	Heat conductivity		Internal	W/m.K	0.039
Tightness properties	Water tightness	30 % compression	NTP 38 (U-Test 100mm)	Hours before leakage	> 72
	Air tightness	1000 Pa 30 % compression	PRT128	Air leakage in ml/m/min	0

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

## Important Instructions

Because Saint-Gobain cannot anticipate or control every potential application, we strongly recommend testing of

this product under individual application conditions prior to commercial use. Our labs can support in prototyping.

## Shelf Life

12 months after production date. Storage conditions should remain below 30°C without exposure to sunshine.



# ▶ Rubber Resin Tape “Toffee Tape” LYN0485

## ▶ Product description

A pressure-sensitive rubber resin adhesive designed for bonding to “difficult” substrates, such as polythene & polypropylene. Toffee Tape is widely used across all sectors including but not limited to: Joining polythene sheeting Mounting lightweight items and making any product adhesive. Fixing signs, edgings and trims. Joining of sheets and damp proof membranes. Bonding aluminium & GRP roof skins in the commercial bodybuilding industry. Adhering insulation to walls. Fixing of floor materials (carpets/strips). Temporary tarpaulin repair.

## ▶ Product advantages

Available in various thickness's from 0.2mm to 2mm and widths to suit your application

Clean, easy to use alternative to brush on adhesives Very aggressive pressure sensitive adhesive Non-hardening and permanently flexible Excellent bond strength No curing time required Solvent free, therefore no fumes Forms a strong waterproof bond Well established product with long term proven success Pre-formed to a choice of sizes Versatile “instant stick” adhesive on a roll.



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# Technical Specification

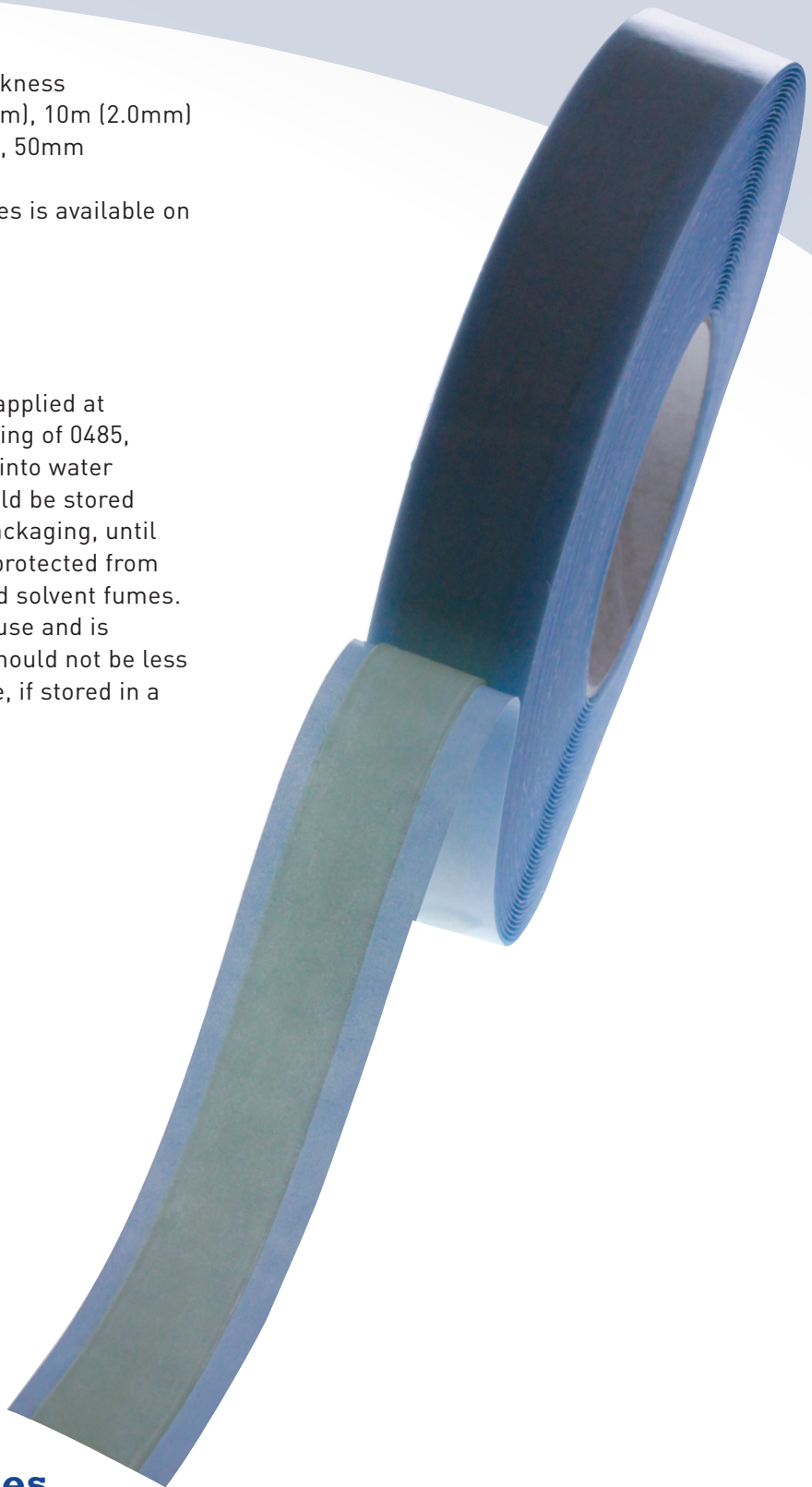
## Standard Presentation

Roll length for a standard adhesive thickness  
30m (0.4mm), 50m (0.2mm), 20m (1.0mm), 10m (2.0mm)  
Roll width 12mm, 19mm, 25mm, 38mm, 50mm

**Note:** non-standard sizes, and lead times is available on request

## Recommendations

It is recommended that this product is applied at temperatures over 10° C To aid the cutting of 0485, it is advisable to dip blades or scissors into water immediately prior to use The rolls should be stored flat on their cut edges in the original packaging, until required for use. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. Service life will vary with conditions of use and is affected by climatic environment, but should not be less than one year from date of manufacture, if stored in a moderate climate and good conditions.



## ► Technical Properties

Description	Units	Nominal Value
Specific Gravity	g cm <sup>-3</sup>	0.98
Softening Point (Ring and Ball)	° C	85
Cohesion	N mm <sup>-2</sup>	0.6
Service Temperature	° C	0 - 40



## Norglaze® Glazing Pads

Single sided adhesive coated high density PVC foam incorporating a peelable acrylic adhesive. Specifically designed for the separation and protection of sheets of flat glass, sealed units and automotive glass in transit and storage, and to aid protection during installation. NORGLAZE® is also suitable to be used with painted and pressed steel metal panels or similar surfaces.

The product is available in various grades of thickness and density of closed cell PVC foam which have been developed to offer excellent compression resistance and recovery even after high loading weights have been applied.

The low tack pressure sensitive peelable adhesive allows clean removal from glass, metal and PVC surfaces leaving no adhesive residue or ghosting marks. The adhesive is UV and temperature resistant and will offer consistent bonding strengths and clean peel even after prolonged periods in contact with the surface. Standard product format in logs or slit rolls, but die-cutting facilities are available on request subject to reasonable MOQ's. Various colors are available but standard is gray, blue and red.

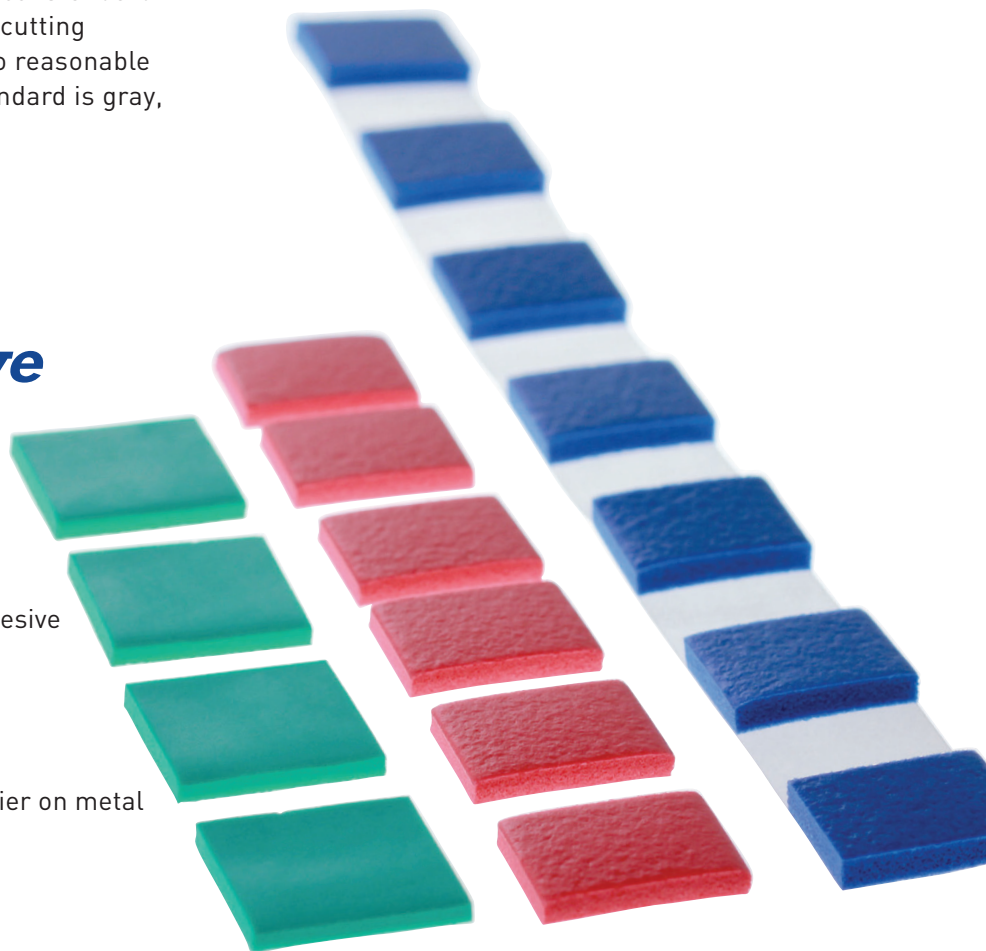
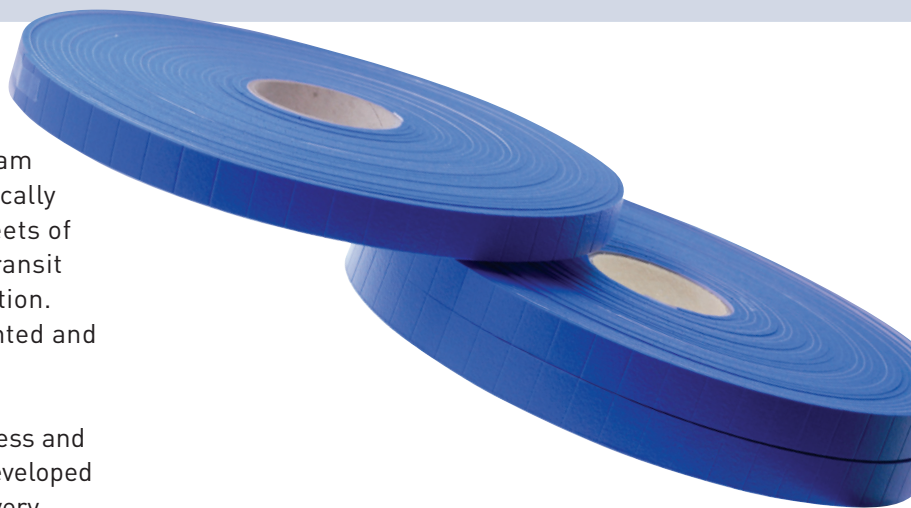
## ***High visibility PVC foam with peelable adhesive***

### Features / Benefits

- High density PVC foam
- Highly crosslinked low tack peelable adhesive
- No adhesive residue on removal

### **Applications**

- Glass protection pads
- Also suitable for use as a protective barrier on metal and plastic surfaces



# Glazing Pads **Typical Properties**

**Color:** Red - Blue - Gray

**Liner:** White glassine paper

**Format:** Logs / slit rolls / die-cut pads (bespoke widths and lengths)

**Useful width of log:** Minimum 1000mm (39")

The product must be stored in its original packaging in a clean, dry, well ventilated area and under these conditions, the shelf life will be a minimum of 12 months.

To promote an adequate bond, the two surfaces must be clean and dry, cleaning with a mixture of 50/50 water and IPA has been found to be adequate. Low temperatures at the time of application may increase the possibility of condensation on the surface, which will reduce the final bond strength.

The adhesive is pressure sensitive; we therefore recommend the application to be carried out at a minimum of 15°C (60°F) with as high a pressure as your process allows (a minimum of 1 Bar pressure is recommended).



## ► **Technical Properties**

Properties	Test Method		Value
Thickness, mm (in)	AFERA 4006		4.0 (.16)
180° Peel Adhesion, N/cm (oz/in)	AFERA 4001	Maximum	2 (20)
Shore Hardness 00	SGTM 27	Minimum	75
Force to Compress by 30%, N/cm <sup>2</sup> (psi)	SGTM 24	Minimum	15 (20)
Service Temperature, °C (°F)		Long Term	-40 to +70 (-40 to +150)



General purpose lower cost acrylic adhesive tape providing excellent tack and peel performance with good environmental resistance. The product has been designed for both internal and external applications where a degree of security is required in the bond.

The foam is a high quality Polyolefin with excellent dimensional tolerances, a high degree of colour stability and excellent key to the adhesive surface. The thickness and density range has been chosen to offer a conformable product for uneven, irregular or contoured materials.

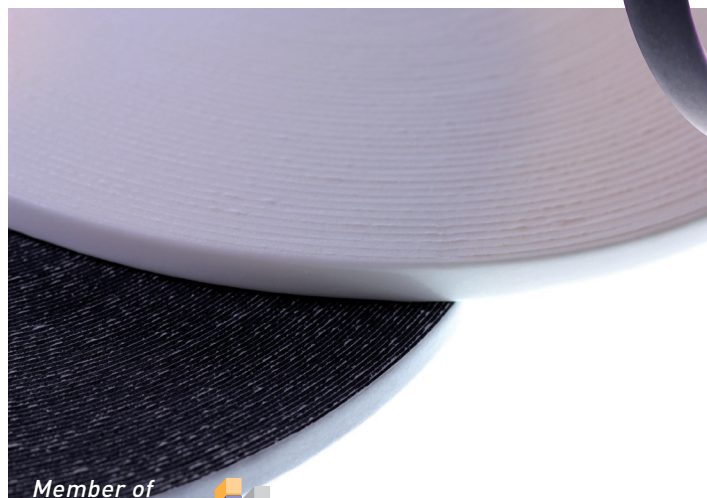
The acrylic adhesive combines excellent tack and peel performance and has been chosen to offer a high degree of adhesion to a wide range of surfaces. Norfix® V1200 will not offer good temperature resistance or shear performance so is unsuitable for challenging applications or ones involving high loading.

The product is generally available as a white double sided tape in thickness from 0.5mm to 2.0mm, protected by a siliconised glassine paper liner. Single sided products may be available upon request subject to reasonable MOQ's.

## **General Purpose PE foam bonding tape with acrylic adhesive**

### **Features / Benefits**

- Competitive product for less critical applications
- U.V. resistant acrylic adhesive
- Particularly suitable for diecutting purposes



### **Applications**

- Interior or exterior use
- General purpose bonding applications
- Good adhesion to a wide range of rigid plastic surfaces

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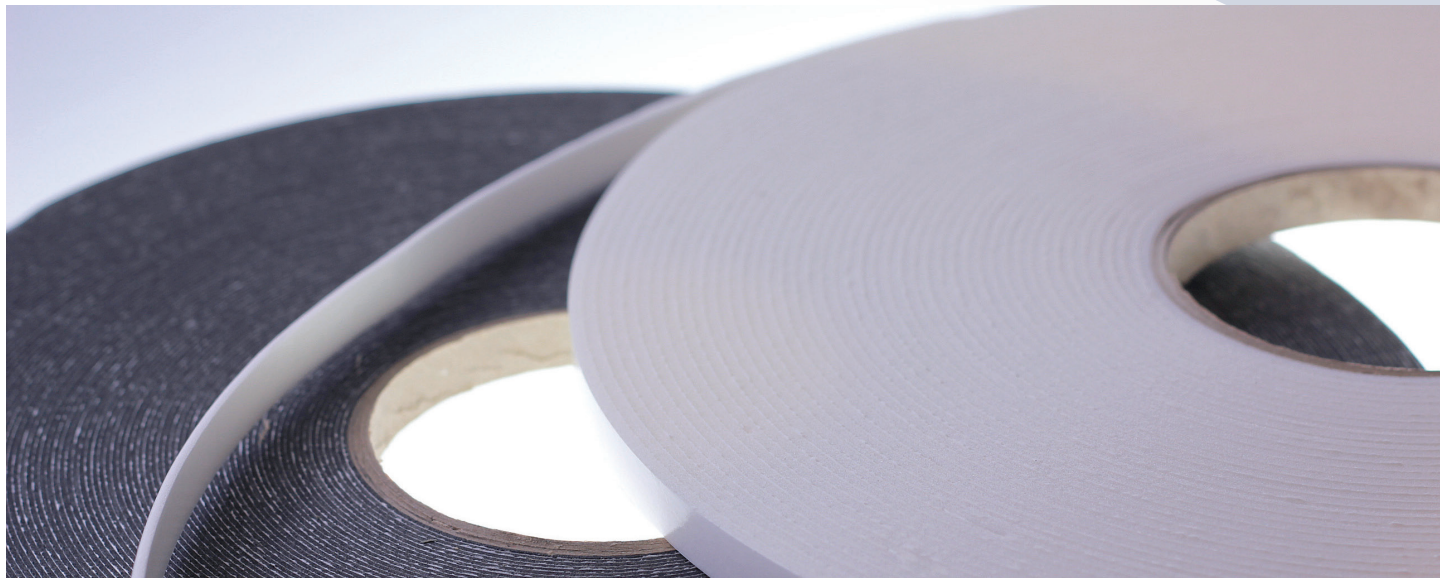
# Typical Properties

**Color:** White/Black

**Liner:** White glassine paper

**Format:** Jumbo logs/Logs/Slit rolls (Bespoke widths and lengths)

**Useful width of log:** Minimum 1000mm



## ► Technical Properties

Properties—based on 1.0mm material	Test Method		Value
Thickness, mm	AFERA 4006	Range	0.5—2.0
Tensile Strength KPa	AFERA 4004	Typical	675
Elongation at Break %	AFERA 4005	Typical	175
Water Absorption %		Maximum	1
180° Peel Adhesion N/cm	AFERA 4001	Typical	2
Dynamic Shear N/cm <sup>2</sup>	AFERA 4024	Typical	30
Tensile Adhesion N/cm <sup>2</sup>		Typical	35
Static Shear Adhesion 1kg Hours	AFERA 4012	Minimum	10
Service Temperature °C	SGTM 24	Long Term	-40 to +50
Service Temperature, °C (°F)		Long Term	-40 to +70 (-40 to +150)

The product must be stored in its original packaging in a clean, dry, well ventilated area and under these conditions the shelf life will be a minimum of 12 months.

To promote an adequate bond, the two surfaces must be clean and dry, cleaning with a mixture of 50/50 water and IPA has been found to be adequate. Low temperatures at the time of application may increase the possibility of condensation on the surface, which will reduce the final bond strength.

The adhesive is pressure sensitive, we therefore recommend the application to be carried out at a minimum of 15°C with as high a pressure as your process allows, (a minimum of 1 Bar pressure is recommended)

The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions.



# Security Glazing Tape



- **Double sided, foam glazing tape with exceptional shear strength and long term adhesion. Specifically designed for security glazing of PVCu, timber, aluminium and composite windows and doors.**

Prevent the Unexpected Removal of Glass from Externally Glazed Units with BBA Certified Security Glazing Tape.

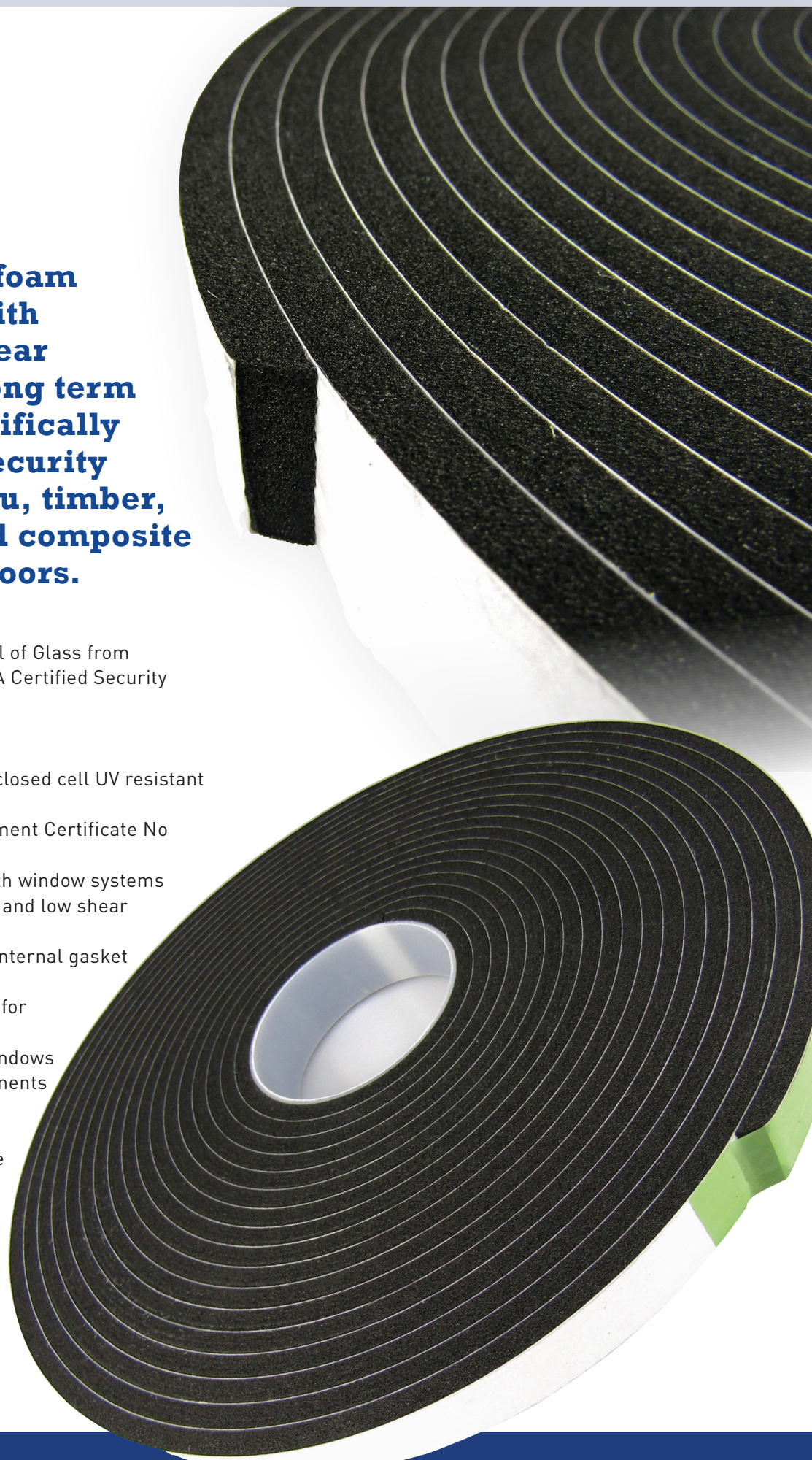
- ➔ Medium hard predominantly closed cell UV resistant PVC foam
- ➔ BBA certified product, Agreement Certificate No 99/3612 for security glazing
- ➔ Tested to BS7412 clause 8 with window systems
- ➔ Designed for security glazing and low shear applications
- ➔ Cost effective - replaces the internal gasket / reduces site glazing time.
- ➔ High quality adhesive system for maximum performance.
- ➔ Enables externally beaded windows to satisfy the glazing requirements of BS7950.
- ➔ Ensures water tightness and draught-proofing between the glass and the window frame.

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# CLADeX EPDM Membrane



- **CLADeX EPDM membrane is an elastomeric waterproofing strip used for sealing interfaces to provide an airtight and weather tight seal.**

The material comes in black and has a surface texture on both sides to ensure maximum adhesion is achieved. The product has a very long expected service life and is environmentally friendly.

## ➤ Typical Applications

**CLADeX EPDM membrane** provides a weather tight seal to the exterior side of the connecting joint between a window or façade screen and the adjacent structure or to provide an internal airtight seal in a similar detail. It is the optimum sealing solution for façade waterproofing, airsealing and providing damp proof course DPVC

## ➤ Technical Data

- ➔ **Thickness: 0.75mm**
- ➔ **Roll Length: 25 Linear Metres**
- ➔ **Roll Widths: from 100mm to 1,700mm**

Contact us for more information about **CLADeX EPDM Membrane** or any of the other products in the EPDM range.



Reaction to fire	EN 13501-1	E
Water tightness (2 kPa)	EN 1928	Pass
Water vapour transmission	EN 1931	32000
Impact resistance	EN 12691	NPD
Joint shear resistance	EN 12316-2	NPD
Tensile strength (both directions)	EN 12311-2	≥ 7 MPa
Elongation (both direction)	EN 12311-2	≥ 300%
Tear resistance	EN 12310-2	≥ 10 N
Durability against ageing	EN 1296/EN 1931	Pass
Durability against alkali	Annex C	NPD







## Other Tapes Available;

- ✓ Aluminium Foil Tapes
- ✓ Anti-Slip Tapes
- ✓ ATG Tapes
- ✓ Carpet & Flooring Tapes
- ✓ Duct / Gaffer / Cloth Tape
- ✓ Flashing Tapes
- ✓ Floor Marking Tapes
- ✓ Magnetic Tapes
- ✓ Protective Tapes
- ✓ Reflective Tapes
- ✓ Teflon Tapes

**Distributed by;**



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