



ARCHITECTURAL
FOAM TAPES

DETAILS THAT MAKE
A DIFFERENCE

Sealing
Glazing
Structural Spacing
Bonding

NORTON® FOAM TAPES BY SAINT-GOBAIN

Proven in all types of buildings for over 30 years, Norton architectural foam tapes have delivered high-performance design solutions for hundreds of sealing, glazing, and bonding applications in commercial, institutional, industrial, and residential construction.

Packaged in rolls for easy handling, Norton architectural foam tapes provide greater versatility, performance, and design control than pumpable or gun-grade caulks, mastics, or precompressed sealants. Our comprehensive line offers a broad range of densities, materials, sizes, and adhesive formulations to satisfy a wide variety of applications.

Sealing

Norton foam tapes prevent sound transmission, dampen vibrations and seal the building envelope against air, water, and dust infiltration.

Glazing

Placed between the lite and sash, Norton conformable tapes seal out air and water and assist with the structural integrity of the window system.

Structural Spacing

Norton foam tape spacers maintain a uniform distance between glazing or cladding panels and frame for easy application and proper curing of silicone sealant in structural glazing and curtain wall construction.

Bonding

Designed for bonding of fascia, cladding, signage, and other lightweight components in place of mechanical fasteners.

Cover photo: Citicorp Tower, Los Angeles CA; and
Hotel Inter Continental, San Diego CA
Below and right detail: First Hawaiian Center, Honolulu, HI



Wes Thompson Photography



How Saint-Gobain Architectural Foam Tapes Work

It is compression and the closed-cell structure of our foam sealing and glazing tapes that create the seal, by ensuring sufficient deflection force against the adjacent substrates. Adhesives on one or both sides are used to position the foam tape until the joint is assembled.

Norton foam sealing and glazing tapes form a positive seal against

- moisture, air, and water when compressed a minimum of 25%
- sound and light transmission based on a 15% compression

Saint-Gobain Architectural Foam Tapes—the Practical Advantages

Our products provide sealing performance equal to or better than that of wet caulks, butyl tapes, and pumpables—with many significant advantages...

- **Easy and clean installation.** Tape is positioned and pressed into place— with no special skills or tooling required.
 - can be installed in the shop or on site
 - spills and objectionable odors are eliminated
 - hands, tools and building components stay clean
- **Economical.** Save time and money through:
 - competitive pricing
 - elimination of backer rods
 - minimal surface preparation
 - fast installation—no cure time
 - reduced waste—use as needed with no cartridges requiring special disposal
- **Clean design.** Outstanding dimensional stability:
 - no oozing into sight lines
 - ensures that the original design intent is achieved and maintained
 - allows uniform lines for smoother detailing
- **Superior performance.** Outperforms ordinary sealants and adhesives:
 - exceeds AAMA and UL requirements
 - resists weathering, UV, oxidation, mildew, fungus, cleaners, and industrial atmospheres
 - adjusts to thermal movement of structural elements without leaking

HOW NORTON FOAM TAPES BY SAINT-GOBAIN COMPARE

| Sealing and Glazing Tapes | Ease of application | Cure time | Cleanliness | Accommodates opening and closing of joint | Accommodates expansion/ contraction | Seals air, water, vapor, sound | Vibration dampening | Weatherability |
|---------------------------|---------------------|-----------|-------------|---|-------------------------------------|--------------------------------|---------------------|----------------|
| Norton foam tapes | ● | ● | ● | ● | ● | ● | ● | ● |
| Gunnable/pumpable caulk | ○ | ○ | ○ | ○ | ● | ● | ● | ● |
| Mastics | ● | ● | ○ | ○ | ● | ● | ● | ● |
| Precompressed tape | ● | ● | ● | ● | ● | ● | ● | ● |

| Spacer Tapes | Ease of application | Economics | Temporary bonding | Repositionability | Availability of special sizes |
|---------------------|---------------------|-----------|-------------------|-------------------|-------------------------------|
| Norton spacer tapes | ● | ● | ● | ● | ● |
| Silicone extrusions | ● | ● | ○ | ● | ● |

| Bonding Tapes | Ease of application | Cleanliness | Finish appearance | Cure time | Corrosion resistance |
|----------------------|---------------------|-------------|-------------------|-----------|----------------------|
| Norton bonding tapes | ● | ● | ● | ● | ● |
| Mechanical fasteners | ● | ● | ● | ● | ● |
| Liquid adhesives | ● | ○ | ● | ○ | ● |

Excellent ● Good ● Fair ● Poor ○

SEALING AND GLAZING TAPES

The Best Solution

Norton architectural foam tapes by Saint-Gobain are versatile enough to be used in a wide range of applications—virtually anywhere that components can be assembled to form a compression seal:

- glazing
- wall and roof access panels
- mansards
- flashing
- clean room seals
- HVAC
- acoustical ceilings
- walls
- floors

In addition, custom die-cutting and lamination capabilities extend product versatility.

Sealing Tapes

Our compressible foam tape sealants perform under pressure to:

- seal the building envelope against air, water, and dust infiltration
- create a thermal break
- maintain the integrity of clean rooms
- eliminate light infiltration
- reduce sound transmission around partition or acoustical ceiling perimeters
- dampen vibration

All are provided with adhesive on one side for easy placement.

• **Norseal®**

• **Korel®**

Categories

Soft

Ideal for sealing thin-gauge materials and irregular surfaces.

Medium

Ideal for most common air and water seals.

Firm

Higher internal strength and abrasion resistance for more demanding applications.

SEALING SELECTION GUIDE

| | Color | Material | Feature | Weatherability | Typical Application |
|----------------|---------------|----------|----------------------|----------------|-----------------------|
| Soft | | | | | |
| Norseal V730 | Gray | PVC | Acoustic barrier | Good | Suspended ceilings |
| Norseal V770 | Black | PVC | UV stable | Excellent | Exterior panel joints |
| Medium | | | | | |
| Norseal V740 | Black or gray | PVC | Multipurpose | Good | HVAC |
| Norseal V740FR | Off-white | PVC | Flame retardant | Good | Lighting |
| Norseal V780 | Black | PVC | Superior sealability | Excellent | Hollow metal glazing |
| Korel K20 | Black | PUR | Resilient | Good | Clean room seals |
| Firm | | | | | |
| Norseal V710 | Gray | PVC | Torque resistant | Good | Metal buildings |
| Norseal V760 | Gray | PVC | Heavy duty | Excellent | Concrete forms |
| Korel K30 | Black | PUR | Vibration damping | Good | Access panels |

Glazing Tapes

Closed-cell foam tape with high performance adhesive for sealing glass into the framing system. Placed between the glazing panels and sash. Saint-Gobain's specially formulated conformable tapes:

- are self shimming
- seal out air and water—even in high-movement joints
- provides long service life
- maintains uniform sight lines
- will not pump out

GLAZING SELECTION GUIDE

| | Color | Residential / Institutional / light commercial applications | Heavy commercial applications | Allows glass to be repositioned | Complies with AAMA 810.1 | Suitable for high joint movement |
|-------------------|-----------------------|---|-------------------------------|---------------------------------|--------------------------|----------------------------------|
| Norseal V780* | Black | ● | ● | ● | | |
| Norseal V980/V990 | Black, gray, or white | ● | ● | | ● | ● |

* Adhesive one side



Wes Thompson Photography



Above: Figueroa at Wilshire, Los Angeles, CA
Right detail: Treasure Island Hotel and Casino, Las Vegas, NV

FOAM SPACER AND BONDING TAPES

Spacers

For field and shop applied cladding in structural silicone curtain wall construction. Compatible with silicone sealants used for structural glazing and curtain wall construction, Thermalbond architectural foam tape spacers:

- maintain a uniform distance between cladding or glazing panels and frame
- permit easy application of silicone sealant, with superior control over bead depth
- hold panels in place while the sealant cures
- facilitate clean sight lines
- allow moisture vapor to reach the silicone permitting optimum curing
- low thermal conductivity improves energy efficiency and reduces condensation
- adhesive one side is available for clear glass systems to provide uniform appearance

- **Thermalbond®**
- **Normount®**
- **Normount® Acrylic**

SPACER SELECTION GUIDE

| | Color | Applicable on shop application | Field application (2-sided) | Field application (4-sided) | Resistance to loading |
|-------------------|-------|--------------------------------|-----------------------------|-----------------------------|-----------------------|
| Thermalbond V2100 | Black | ● | ● | ● | Excellent |
| Thermalbond V2200 | Black | ● | ● | | Good |

Below detail: 12100 Wilshire Boulevard, Los Angeles, CA
Right: One Liberty Place, Philadelphia, PA



Bonding Tapes

Designed with high performance adhesives on both sides for bonding of fascia, cladding, signage, and other lightweight components, Norton foam bonding tapes:

- reduce or eliminate the need for exposed mechanical fasteners, helping to prevent tampering and vandalism
- hold materials in place during fabrication or erection
- create a visually appealing assembly with no visible fasteners
- act as separator to reduce thermal energy loss, condensation and catalytic corrosion

BONDING SELECTION GUIDE

| | Color | Material | Exterior | Accommodates movement | Weatherability | High temperature performance | Feature |
|------------------|--------------------|----------|----------|-----------------------|----------------|------------------------------|---------------------------------|
| Normount V1300 | White | PUR | ○ | ● | ○ | ● | High strength interior |
| Normount V2800 | Black or gray | PUR | ● | ● | ● | ● | High strength exterior |
| Normount V8800 | Black | PUR | ● | ● | ● | ● | High shear exterior |
| Normount Acrylic | Grey, white, clear | Acrylic | ● | ● | ● | ● | High movement, high temperature |

Excellent ● Good ● Fair ● Poor ○



Above: Structural Glazing, United Kingdom
Center: Turtle Creek Center, Dallas TX
Right detail: Structural glazing, spacer material



Global Leaders in Engineered Materials

Saint-Gobain Performance Plastics (SGPPL), is the world's largest producer of engineered high performance polymers, including fluoropolymers, silicones and high temperature thermal plastics. Formerly Norton Performance Plastics, Norwood Coated Products Company and Furon Company, SGPPL is the world's one-source supplier for both compressible sealants and bonding tapes.

SGPPL's commitment to R&D has produced a number of industry firsts, including the world's first double-sided tape for structural glazing spacers and the first cellular foam tape for window glazing.

Saint-Gobain Corporation

SGPPL is part of Saint-Gobain Corporation, one of the top 100 industrial companies in the world and an innovator in the transformation of materials since its founding in 1665. With more than \$34 billion in sales, the company employs over 170,000 in 46 countries.

Technical Service and Application Engineering

SGPPL has established a state-of-the-art research facility for the development of architectural foam tapes and is committed to providing technical assistance from design through installation. Critical technical and sales support is available worldwide. Our highly trained technical service experts are prepared to provide application review and product recommendations, field trial assistance, and other services to ensure the optimal performance of Norton foam tape products.

For more information about our foam tape products or worldwide support from Saint-Gobain Performance Plastics, contact our customer assistance representatives toll-free at 800-724-0883 or 518-642-2200.

www.nortonfoam.com

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SAINT-GOBAIN

PERFORMANCE PLASTICS

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