



XEAL BUTYL

Technical Datasheet



PRODUCT DESCRIPTION

XEAL Butyl Non-Woven is a premium sealing tape made of high-quality butyl rubber fully coated with various types of non-woven fabric. It is available in multiple sizes and colors, offering excellent sealing performance, flexibility, and easy handling. Its design ensures tight joints in window bases, corners, and other construction details, delivering superior adaptability and durability.

USAGE AREAS

This adhesive tape is perfect for applications requiring strong adhesion on smooth surfaces such as concrete, marble, metal, and polycarbonate. It is commonly used in residential, commercial, and infrastructure projects where flexible and durable sealing is needed.

PRODUCT FEATURES

Mechanical Performance: High bonding strength and tensile capacity. Adapts well to movement, surface cracks, and deformation.

Chemical Stability: Excellent resistance to weathering, UV rays, corrosion, and various chemicals.

Sealing Efficiency: Ensures water-tight, gas-tight, and vibration-resistant seals with long-term reliability.

User-Friendly: Simple to apply, compatible with coatings, paintable and plasterable.

APPLICATION AREAS

▶ Waterproofing roofs, basements, and underground structures

TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT/VALUE
Dynamic Shear Adhesion: Offers high strength and bonding reliability in dynamic applications.	12 N/cm ²
90° Peel Adhesion: Ensures a strong hold even under angled stress conditions.	8 N/cm ²
180° Peel Adhesion: Provides excellent long-term adhesion performance when pulled back from surfaces.	9 N/cm
Specific Gravity: Ensures consistent material density for reliable application and bonding.	1.6 g/cm ³
Moisture Vapour Transmission Rate: Offers outstanding resistance to vapor ingress, enhancing waterproofing capabilities.	0.16 g/m ² /24hr/mm
Service Temperature Range: Suitable for extreme environmental conditions, both hot and cold.	-40°C to +90°C

- ▶ Sealing structural joints in subway tunnels and steel constructions
- ▶ Joint sealing for colorful contour panels and polycarbonate installations
- ▶ Use in vehicles, marine structures, window and door installations
- ▶ Under-tile waterproofing in wet areas with cracks or joints
- ▶ Ideal for both interior and exterior moisture protection

APPLICATION INSTRUCTIONS

Ensure the surface is clean, dry, and free from dust, oil, or frost. For best results, clean with isopropyl alcohol (IPA) and allow to dry. Apply XEAL Butyl directly from the roll onto the surface and press along the length for good initial adhesion. Remove the release liner and press the second surface firmly. A roller is recommended to ensure maximum bonding strength.

TECHNICAL INFORMATION

Application Temperature: +5°C to +40°C

Shelf Life: 24 months (stored flat in original packaging, cool and dry)

Available Colors: Black, Gray

Packaging: Preformed strips on siliconized release paper; quantity per carton depends on dimensions

Tolerances:

Thickness: ±10%

Width: Up to 25mm ±1mm; 26–100mm ±2mm