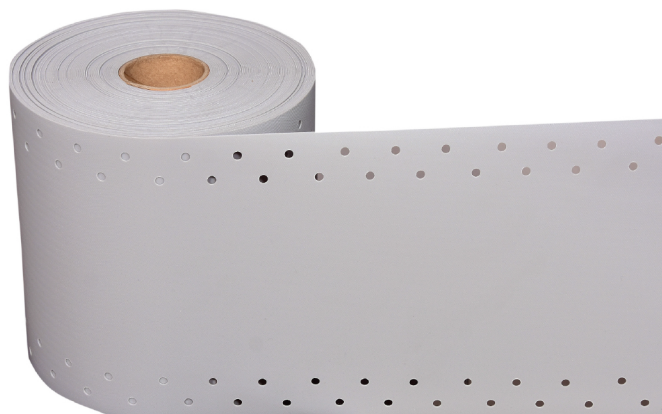




# XEAL TPE

## Technical Datasheet



### PRODUCT DESCRIPTION

XEAL TPE is a high-performance sealing tape made from Thermoplastic Elastomer (TPE), engineered for robust sealing in demanding environments. It offers outstanding flexibility, weather resistance, and compatibility with a wide range of surfaces. The tape conforms easily to irregular shapes and maintains its sealing integrity under movement and temperature fluctuations. Ideal for applications where durable, elastic, and watertight seals are essential.

Thin, extra-tough elastic strip with high elongation.

Ideal for sealing expansion joints and moving cracks.

UV- and weather-resistant, chemically stable.

Thermal-welded for watertight seams.

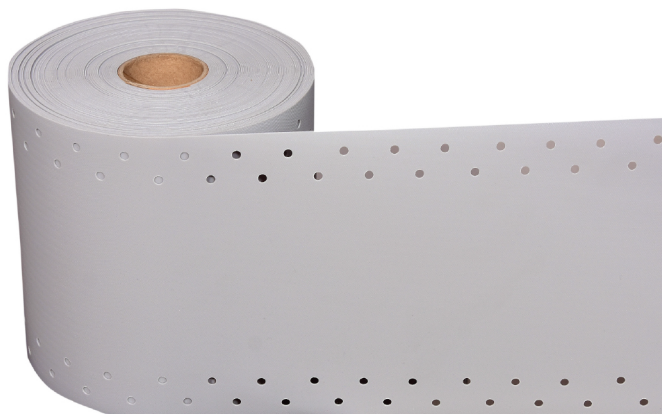
### PHYSICAL PERFORMANCE

PROPERTIES	DIN	VALUE
Available widths	Internal	150, 200, 250, 300, 350, 400 mm
Thickness	Internal	1.0 mm
Total weight	Internal	930 g/m <sup>2</sup>
Length per roll	Internal	25 Meter (Alternative make-ups upon request)
Resistance to temperature		min. / max.- 30°C / + 90°C
<b>TENSILE PROPERTIES</b>		
Tear resistance - lengthwise	DIN EN 12311-2 Method B	15 N/mm <sup>2</sup>
Tear resistance - across	DIN EN 12311-2 Method B	15 N/mm <sup>2</sup>
Elongation at break - lengthwise	DIN EN 12311-2 Method B	620%
Elongation at break - across	DIN EN 12311-2 Method B	670%
Tear resistance (nail shank) - lengthwise	DIN EN 12310-1	260 N
Tear resistance (nail shank) - across	DIN EN 12310-1	260 N
Water vapour permeability	DIN EN 1931 Method B	60 m
Shore A hardness	Internal	approx. 87
Bonding strength	DIN EN 1348	≥4.0 N/mm <sup>2</sup>
Peel test on wood carrier	Internal	≥100 N*
Water tightness	DIN EN 1928-A-60 kPA'24 Std. DIN EN 1928-A-60 kPA'24 Std.	Watertight Watertight
Burst pressure	Internal	≥4 bar
UV Resistance	DIN EN ISO 4892-3	≥6500 h
Reaction to fire	DIN EN ISO 11925-2 / EN 13501-1	Class E



# XEAL TPE

## Technical Datasheet



### APPLICATION AREAS

- ▶ Expansion joints in façades and curtain walls
- ▶ Sealing of HVAC duct joints and ventilation systems
- ▶ Automotive interior and exterior sealing
- ▶ Construction joints in metal and concrete structures
- ▶ Window and door perimeter sealing
- ▶ Utility box and panel protection
- ▶ Noise and vibration dampening in mechanical equipment

### APPLICATION INSTRUCTIONS

Ensure the surface is clean, dry, and free from contaminants such as dust, grease, and moisture. For optimal adhesion, wipe surfaces with isopropyl alcohol (IPA) and allow to dry. Apply XEAL TPE tape directly to the surface and press firmly along its length. For better bonding, use a roller to apply even pressure. In multi-surface applications, apply the second surface after the first is properly adhered.

### ADVANTAGES

- ▶ Flexible
- ▶ Permanently elastic
- ▶ Highly versatile
- ▶ Good tensile properties
- ▶ Stable form and UV-resistant
- ▶ Heat weldable
- ▶ Easy to install
- ▶ Long term resistance to bacteria
- ▶ Non-hazardous for users

### USAGE AREAS

XEAL TPE is ideal for sealing applications on surfaces like metal, glass, concrete, wood, and various plastics. It is commonly used in residential and commercial buildings, automotive systems, HVAC units, industrial equipment, and expansion joints. The tape ensures long-lasting protection against moisture, air, and dust ingress, even under dynamic conditions.

### PRODUCT FEATURES

**Elastic Durability:** Maintains elasticity under compression and movement.

**Weather Resistance:** Performs reliably in extreme temperatures and weather conditions.

**Strong Adhesion:** Bonds firmly to a variety of substrates without primers.

**Water & Air Tight:** Excellent barrier against water, air, and dust penetration.

**Easy Handling:** Flexible and easy to apply; suitable for both manual and automated processes..

### USED FOR

- ▶ Construction joints and cracks
- ▶ Future movements of the construction without causing damages
- ▶ Basements
- ▶ Tunnel construction
- ▶ Around metal surfaces
- ▶ Swimming pools, cable and pipe penetrations
- ▶ Sewage treatment plants

**High performance joint and crack sealing system for construction joints, expansion (movement) joints and connection joints or cracks.**