



## T444 SERIES

### High Shear Mounting Tape with High Initial Tack. Ideal for Demanding Applications

A polyethylene foam tape providing high final strength, excellent adhesion and shear performance with high temperature resistance. The product has been designed for both internal and external permanent applications on a wide range of surfaces including glass, aluminum, plastic coatings, painted surfaces.

**Norbond**® T444 is an ideal solution for interior/exterior mounting applications, where high load bearing capacity is required, such as mirror mounting, heavy duty cable trunking & panelised constructions.

The foam is a high quality polyethylene with excellent dimensional tolerances and good elongation, a high degree of colour stability and excellent key to the adhesive surface. The thickness and density available to offer higher internal strength, shear performance and temperature resistance.

The acrylic adhesive combines high tack and peel performance with excellent shear for high loading. **Norbond** T444 offers high resistance to many chemicals and solvents and has a wide service temperature range even when loaded.

The product is readily available as a black or white double sided foam tape, in a range of gauges between 0.5 to 3.0 mm, protected by a PP film liner.

### Features & Benefits

- Acrylic adhesive provides excellent shear, whilst maintaining high tack
- Conformable PE foam, offering high elongation and internal strength.
- Developed to provide wide range of performance characteristics.



### APPLICATIONS

- Designed to suit wide range of surfaces and applications
- High load mirror mounting
- High initial tack
- High temperature range

## Norbond T444 Series – Properties

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

Colour:	Black or white
Liner:	Blue PP liner (100µ)
Standard thicknesses:	0.5, 0.8, 1.0, 1.5, 2.0 & 3.0 mm
Useable width of log:	Minimum 1000mm
Format:	Logs, jumbo logs, slit rolls, spools (bespoke widths and lengths)

Property	Test Method		Value
Tensile strength, kPa	AFERA 5004	Typical	1600
Elongation at break, %	AFERA 5004	Typical	300
Water absorption, %		Actual	<1
180°C Peel adhesion, N/cm	AFERA 5001	Typical	7
Dynamic shear, N/cm <sup>2</sup>	AFERA 4024	Typical	80
Tensile adhesion N/cm <sup>2</sup>		Typical	70
Static shear, 2kg, hours	AFERA 5012	Typical	300
Loop tack, N/25mm	SGTM 4	Typical	33
Service temperature, °C		Long term	-40 to +100

## Important Instructions

- 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).



**Saint-Gobain Tape Solutions**

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