

**FLEXITEC HT** is a Security Glazing Tape manufactured from cross linked closed cell polyethylene foam. It uses the latest in pressure sensitive adhesive technology, which offers very high grab characteristics and has been specifically designed for use in PVCu and timber windows. FLEXITEC HT has been specifically developed for optimum performance with PVCu, aluminium, hardwood, and glass.

**PHYSICAL PROPERTIES**

Density	Din 53420	33 Kg <sup>m</sup> <sup>3</sup>
Tensile Strength	Din 53571	400 KPa
Elongation @ Break	Din 53751	130%
Compression Stress	Din 53577	(25% Deformation) 40 KPa
		(50% Deformation) 105 KPa
Temperature Range		-40°C to 90°C
Compression to Effect Seal		15%
Ozone Resistance		Excellent
Ageing Resistance		Excellent
UV Resistance		Good

**ADHESION PROPERTIES**

		<b>24hr</b>
Peel adhesion to painted steel (180°)	N/mm	0.46
Peel Adhesion to glass (180°)	N/mm	0.60
Dynamic Tensile Adhesion	KPa	200



**Features**

**Benefits**

- 100% closed cell structure:** Will not allow water to pass through and does not require large compression factors to affect a seal.
- Biologically inert:** Will not support fungal or bacteriological growth.
- Chemically inert:** Excellent ageing characteristics and good solvent/oil resistance.
- UV Stable:** Can be used on internally glazed windows in an external application for 10 years use without the need for silicone capping.
- No Plasticiser:** Will not attack acrylics, plastics or silicones.

**APPLICATION**

FLEXITEC HT should be applied to surfaces free from dust, grease and moisture and not below +5°C. Increased adhesion is obtained by applying firm uniform pressure to the tape prior to the liner removal. FLEXITEC HT can be cut with a knife or scissors and should be butted carefully without overlapping. The immediate bond strength is permanent but will reach a peak after 24hrs. Shelf life is one year when stored at 21°C at 50% relative humidity, out of direct sunlight.

FLEXITEC HT has been approved independently by the B.B.A. This included BS7950 (PAS 011) security testing. This testing does not however mean the fabricator can assume BS7950 (PAS011) will be attained if he uses this tape. It is required that the fabricator approves his own window to this security standard as BS7950 covers other materials used in conjunction with one another.

**FLEXITEC HT** is supplied in coil form in thicknesses and lengths indicated as follows:-

Thickness	+/- 10%	2mm	3mm	4mm	5mm	6mm	7mm	8mm	10mm	12mm
Roll Length	+/- 1m	40m	25m	20m	15m	15m	12m	10m	10m	8m

Any width of coil may be specified from 9mm to 950mm. **FLEXITEC HT** is available in black.