

FLEXITEC HT67

DESCRIPTION

FLEXITEC HT67 is a double-sided foam 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 Security Glazing applications in PVCu windows and timber windows.

FLEXITEC HT67 has been specifically developed for optimum performance in PVCu and timber windows and PVCu doors. FLEXITEC HT67 is also commonly used as a Trimtape for bonding PVCu window trim.

Features

100% closed cell structure:

Biologically inert:

Chemically inert:

UV Stable:

No Plasticiser:

Benefits

Will not allow water to pass through and does not require large compression factors to effect a seal.

Will not support fungal or bacteriological growth.

Excellent ageing characteristics.

Can be used on internally glazed windows in an external application for 10 years use without the need for silicone capping.

Will not attack acrylics, plastics or silicones.

GENERAL

FLEXITEC HT67 is supplied in coil form in thicknesses and lengths indicated as follows.

Thickness +/- 10% 1.0mm 1.5mm 2.0mm 3.0mm 4.0mm 5.0mm 6.0mm

Roll Length +/- 1m 50m 50m 40m 25m 20m 15m 15m

Any width of coil may be specified from 6mm to 950mm (+/- 0.5mm).
FLEXITEC HT67 is available in black & some thicknesses in white.

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PHYSICAL PROPERTIES

Density	Din 53420	55 Kgm-3
Tensile Strength	Din 53571	900 kPa
Elongation @ Break	Din 53571	275%
Compression Stress (50% Def'n)	Din 53577	(25% Def'n) 50 kPa 120 kPa
Temperature Range		-40°C to +90°C
Compression to Effect Seal		10%
Ozone Resistance		Excellent
Ageing Resistance		Excellent
UV Resistance		Good

ADHESION PROPERTIES

24Hr

Peel adhesion to PVCu (180°)		N/mm	0.73
Peel adhesion to glass (180°)	@ 23°C	N/mm	0.60
	@ 70°C	N/mm	0.40
Static shear (1 Kg)	@ 23°C	Hours	60
	@ 70°C	Hours	10
Dynamic Tensile adhesion		kPa	425

APPLICATION

FLEXITEC HT67 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 HT67 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 HT67 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 (PAS 011) 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.

REF : E1006986 SPEC HT67