

**FLEXITEC E** is a general purpose single sided sealing tape manufactured from cross linked polyethylene foam. It uses the latest in pressure sensitive adhesive technology, which offers very high grab characteristics to a variety of substrates. FLEXITEC E can be used for sealing flanges of ductwork, isolation strips on duct hangers, and dry glazing windows in frames. FLEXITEC E has been specifically developed for optimum performance with galvanised steel, aluminium, hardwood and glass.

**PHYSICAL PROPERTIES**

|                            |           |                   |                                 |
|----------------------------|-----------|-------------------|---------------------------------|
| Density                    | Din 53420 |                   | 33 Kg <sup>m</sup> <sup>3</sup> |
| Tensile Strength           | Din 53571 |                   | 420 KPa                         |
| Elongation @ Break         | Din 53751 |                   | 145%                            |
| Compression Stress         | Din 53577 | (10% Deformation) | 2.4 KPa                         |
|                            |           | (15% Deformation) | 35 KPa                          |
|                            |           | (30% Deformation) | 60 KPa                          |
| Temperature Range          |           |                   | -40°C to 65°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 | 0.50        |



**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.
- High initial grab:** Ultimate bond strength achieved immediately with a degree of relocatability.
- No Plasticiser:** Will not attack acrylics, plastics or silicones.

**APPLICATION**

FLEXITEC E should be applied to surfaces free from dust, grease and moisture and not below 10°C. The tape is applied by removing the silicone release liner and adhering the open face to the substrate. If applied lightly, FLEXITEC E can be removed and re-aligned. Increased adhesion is obtained by applying firm uniform pressure to the tape after application. FLEXITEC E can be cut with a knife or scissors and should be butted carefully without overlapping. Immediate bond strength is permanent but will reach a peak after 24 hours. FLEXITEC E meets the requirements as set out in DW142, and is not known to stain or discolour any known substrate.

FLEXITEC E 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 E** is available in black.