



## Grayson Expansionthene

Expansionthene is a white coloured, closed cell, non-cross-linked, polythene, low resistance joint filler, for use in brick and blockwork. It fully meets the specification of BS5628 Pt 3 :2001 Section 5.4.3 - Code of Practice for use of masonry

Expansionthene is ozone, oil, and weather resistant, and has very low water absorption properties of <1% by volume

Expansionthene is used as a joint filler, there is no need for and additional bond breaker.

### Product Details

Features:

- For Use in brick and blockwork
- Low water absorption
- Meets BS & DOT specifications
- Rot proof
- CFC free

### Joint Detail

In General terms the size/width of the joint should be double the expected total movement, allowing for the compressibility of both the filler and the mastic.



### Technical Specifications

| Property             | Measurement / Standard        | Value   |
|----------------------|-------------------------------|---|
| Density              | ISA 845 Av                    | 28 kg/m <sup>3</sup>  |
| Compressive Strength | 25% DIN53577<br>50%<br>75%    | 0.028 N/mm <sup>2</sup><br>0.083 N/mm <sup>2</sup><br>0.200 N/mm <sup>2</sup> |
| Compression Set      | 22h Charge 23°C ASTM D3575-08 | Deflection 50%<br>½ hr recovery 10%   |
| Tensile Strength     | ISO 1798                      | 150 kPa   |
| Elongation at Break  | ISO1798                       | 52%   |
| Tear Resistance      | DIN 53575                     | 17 N/cm   |
| Thermal Conductivity | ASTM C177                     | 0.055 W/m   |
| Water Absorption     | DIN 53428                     | 24 hours immersion<br>2% by volume  |