



## TECHNICAL SPECIFICATION ELASTILON®

### MATERIAL PROPERTIES

#### **P.E. Foam**

|   |   |
|---|---|
| Quality:                                      | Chemically crosslinked Polyethylene             |
| Density:                                      | 50 kg/m <sup>3</sup>                            |
| Tensile strength (longitudal):                | 0,60 N/mm <sup>2</sup>                          |
| Elongation (longitudal):                      | 160%  |
| Service temperature:                          | -80°C / +100°C                                  |
| Thermal conductivity:                         | 0,038 W/mK (at 0°C)                             |
| Waterabsorption:                              | < 0,4% (after 7 days)<br>< 0,6% (after 28 days) |
| Compression set at 25% compression:           | 3% (22 hrs, 23°C; after 24 hours relaxation)    |
| Resistance to compression at 30% compression: | 55 kPa  |
| No fungus building                            |   |
| Free of CFK's                                 |   |

#### **Adhesive**

|  |                          |
|--|--------------------------|
| Adhesive thickness:                      | 0,15 mm                  |
| Adhesive weight:                         | 80 g/m <sup>3</sup>      |
| Adhesion (N/25 mm):                      | 18 N                     |
| Static shear resistance (25 mm x 25 mm): | 500 g/25 mm <sup>2</sup> |

#### **Temperature limitations**

|                    |   |
|--------------------|---|
| Application:       | +10°C minimum   |
| Service:           | -50°C / +100°C  |
| Short peak:        | +120°C  |
| Ageing resistance: | very good   |
| Storage:           | 2 years @ 21°C, 50% relative humidity,<br>no direct sunlight/ strong artificial light |

The information on these sheets has been compiled from the results of various test data. This publication however, cannot be considered as a commitment or as a written guarantee by OSBE BV. The information presented cannot replace the necessity of serious testing of the product in its actual application.

Elastilon® is a worldwide patented system.