

Technical Datasheet **FLEXOBIT**

Characteristic	Standard	Value/Result
Length	EN 1848-1	6,0 m
Width	EN 1848-1	1,0 m
Thickness	EN 1849-1	5,0 ± 0,5 mm
Visible defects	EN 1850-1	No visible defects
Mass	EN 1849-1	5,2 ± 0,52 kg/m ²
Filler content		0%
Water tightness	EN 1928	500 KPa ¹
Water tightness after ageing (12 weeks at 80°C)	EN 1296 and EN 1928	500 KPa ¹
Tensile properties:		
Elongation at break (length and width direction)	ISO 37	1600 ± 150 %
Tensile strength (length and width direction)	ISO 37	1,2 ± 0,2 N/mm ²
Static loading	EN 12730	20 kg
Impact Resistance: Aluminium EPS 150	EN 12691	500 mm 2000 mm
Low temperature flexibility	EN 1109	≥ -25 °C
Chemical resistance (seaside chemicals)	EN 13969	Resistant to chlorides, nitrates and sulphates
Reaction to fire	EN 13501-1	Class E-d2
Vapour Transmission	EN 1931	Moisture flow rate (g): 1,54 x 10 ⁻⁹ kg m ⁻² s ⁻¹ Moisture resistance factor(μ): 50400
Vapour Transmission after ageing	EN 1296 and EN 1931	Moisture flow rate (g): 1,01 x 10 ⁻⁹ kg m ⁻² s ⁻¹ Moisture resistance factor(μ): 78800
Peel resistance of joints	EN 12316-1	Does not peel ²
Shear resistance of joints	EN 12317-1	Does not shear ²

¹ The water tightness is determined at the limited pressure of the test equipment. In practice the water tightness will be higher than 500 KPa

² The indication does not peel or shear relates to the fact that the samples have been tested until the maximum capacity of the testing equipment without peeling and shearing phenomena. This is a result of the lack of a reinforcement and the homogeneity of the compound and joint.