

LEADAX EASY TECHNICAL DATASHEET

Dimensions

Characteristic	Method	Units	Value
Length	EN 1848-2	m	5
Width	EN 1848-2	mm	150-1000 ± 1%
Thickness (incl. adhesive)	EN 1849-2	mm	1,8 (2,5) ± 0,15
Mass PVB membrane (incl. adhesive)	EN 1849-2	kg/m ²	2,3 (3,3) ± 0,15
Dimensional stability	EN 1107-2	%	0,2

Mechanical and tensile properties

Characteristic	Method	Units	Value
<i>Tensile properties</i>			
Maximum tensile force length direction	EN 12311-2	N/50 mm	≥ 375
Maximum tensile force width direction	EN 12311-2	N/50 mm	≥ 650
Elongation at break length direction	EN 12311-2	%	≥ 60
Elongation at break width direction	EN 12311-2	%	≥ 16
Nail tearing strength longitudinal direction	EN 12310-1	N	≥ 200
Nail tearing strength transverse direction	EN 12310-1	N	≥ 175
<i>No adhesive</i>			
Static loading - soft support	EN 12730	kg	15
Static loading - hard support	EN 12730	kg	5
<i>Self adhesive</i>			
Static loading - soft support	EN 12730	kg	15
Static loading - hard support	EN 12730	kg	15
<i>No adhesive</i>			
Impact resistance - soft support	EN 12691	mm	1500
Impact resistance - hard support	EN 12691	mm	600
<i>Self adhesive</i>			
Impact resistance - soft support	EN 12691	mm	1250
Impact resistance - hard support	EN 12691	mm	600
Hail resistance (hard support)	13583	ms ⁻¹	26
Resistance to wind uplift (≤ 28 ms ⁻¹)			Pass

Functional properties

Characteristic	Method	Units	Value
Watertightness	EN 1928-B	kPa	≥ 100
Water absorption	M.O.A.T 66	%	1,1
Watertightness After aging (after 5000 hrs UVB test) ¹	1928-B		Pass

¹ Repeating test cycle: 4 hrs. UVB with irradiance 0,66 w/m² 50°C followed by 4 hrs. condensation 40°C.

Joint strength

Characteristic	Method	Units	Value
<i>Peel resistance hot air joint</i>			
Length direction	EN 12316-2	N/50 mm	60
Width direction	EN 12316-2	N/50 mm	55
<i>Peel resistance High-Tack joint</i>			
Length direction	EN 12316-2	N/50 mm	220
Width direction	EN 12316-2	N/50 mm	170
<i>Shear resistance hot air joint</i>			
Length direction	EN 12317-2	N/50 mm	420
Width direction	EN 12317-2	N/50 mm	900
<i>Shear resistance High-Tack joint</i>			
Length direction	EN 12317-2	N/50 mm	490
Width direction	EN 12317-2	N/50 mm	900

Temperature

During application	5°C ≤ T ≤ +40°C
Once applied	-30°C ≤ T ≤ +90°C

Leadax Easy should be stored in a ventilated area, away from frost, humidity and at temperatures of -5°C to + 30°C. However, before use, it must acclimate to the minimum processing temperature of +5°C.

Adhesion of Butyl on different substrates

Substrate	Result
Slates	Compatible
Roof tiles	Compatible
Concrete	Compatible
Bitumen	Compatible
PVC	Compatible
Steel	Compatible
Zinc	Compatible
Wood	Compatible
Polycarbonate	Compatible
Lead	Compatible

Fire behaviour

Characteristic	Method	Units	Value
Reaction to fire	EN 13501-5		Class E

Compatibility of PVB

Characteristic	Method	Units	Value
Compatibility with bitumen ¹	BRL 1511-1		Pass
Compatibility with PVC	BRL 1511-1		Pass

¹ bitumen with high SBS content.

Chemical resistance of PVB

Characteristic	Method	Units	Value
Chemical resistance to lime milk (Ca(OH) ₂)	EN 1847		Pass