

LEADAX EASY TECHNICAL DATASHEET

Dimensions

Characteristic	Method	Units	Value
Length	EN 1848-2	m	5
Width	EN 1848-2	mm	150 - 1000
Thickness (incl. adhesive)	EN 1849-2	mm	1,8 (2,5) ± 0,2
Mass PVB membrane (incl. adhesive)	EN 1849-2	kg/m ²	2,3 (3,3) ± 0,2
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	400
Maximum tensile force width direction	EN 12311-2	N/50 mm	750
Elongation at break length direction	EN 12311-2	%	80
Elongation at break width direction	EN 12311-2	%	20
Nail tearing strength longitudinal direction	EN 12310-1	N	200
Nail tearing strength transverse direction	EN 12310-1	N	175
Low temperature foldability	EN 495-5	°C	-25
Low temperature foldability after thermal ageing	EN 495-5	°C	-20
Static loading Leadax Easy SA - soft support	EN 12730	kg	15
Static loading Leadax Easy SA - hard support	EN 12730	kg	5
Static loading Leadax Easy FA - soft support	EN 12730	kg	15
Static loading Leadax Easy FA - hard support	EN 12730	kg	15
Impact resistance Leadax Easy SA - soft support	EN 12691	mm	600
Impact resistance Leadax Easy SA - hard support	EN 12691	mm	1500
Impact resistance Leadax Easy FA - soft support	EN 12691	mm	600
Impact resistance Leadax Easy FA -hard support	EN 12691	mm	1250
Hail resistance (hard support)	EN 13583	ms ⁻¹	26
Resistance to wind uplift (< 28 ms ⁻¹)			pass

Functional properties

Characteristic	Method	Units	Value
Water tightness	EN 1928-B	kPa	≥ 100
Water absorption	M.O.A.T 66	%	1,1

Joint strength

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

Temperature

During Application	$5^{\circ}\text{C} \leq T \leq +40^{\circ}\text{C}$.
Once applied	$-30^{\circ}\text{C} \leq T \leq +90^{\circ}\text{C}$.

Leadax Easy should be stored in a ventilated area away from frost and humidity at normal room temperature of maximum 30°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
Roof tiles	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	BRL 1511-1		Pass
Compatibility with PVC	BRL 1511-1		Pass

Chemical resistance of PVB

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