

## LEADAX EASY TECHNICAL DATASHEET

### Dimensions

Characteristic	Method	Units	Value
Length	EN 1848-2	m	5
Width	EN 1848-2	mm	250 - 280 - 330 - 370
Thickness PVB membrane	EN 1849-2	mm	1,7
Thickness adhesive butyl layer	EN 1849-2	mm	0,8 ± 0,2
Total thickness	EN 1849-2	mm	2,5 ± 0,2
Mass PVB membrane	EN 1849-2	kg/m <sup>2</sup>	2,2
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	450
Maximum tensile force width direction	EN 12311-2	N/50 mm	830
Elongation at break length direction	EN 12311-2	%	100
Elongation at break width direction	EN 12311-2	%	23
Nail tearing strength longitudinal direction	EN 12310-1	N	300
Nail tearing strength transverse direction	EN 12310-1	N	230
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	350
mpact resistance Leadax Easy SA - hard support	EN 12691	mm	1000
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 <sup>-1</sup>	26
Resistance to wind uplift (≤ 28 ms <sup>-1</sup> )			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

## 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) <sub>2</sub> )	EN 1847		Pass