

HIGH-QUALITY WINDOWS & DOORS

ENERGATE 963 · Wood with aluminium cladding



1 man Alburger



OUR PRODUCT ADVANTAGES

	Width Left & Right	Width Above	Width Below	Width - French casement
ne dimensions:	115 mm	115 mm	135 mm	136 mm
e	1.2 W/m ² K	1.2 W/m ² K	1.5 W/m²K	1.2 W/m ² K

THERMAL INSULATION*:

5	Double	Triple	Triple
	1.1 W/m²K	0.7 W/m²K	0.5 W/m²K
* low	1.24 W/m ² K	0.97 W/m ² K	0.84 W/m ² K

*Specified values are calculated for tested window: Dual action, single opening window Window Size: 1.23 x 1.48 m · Norm: EN ISO 10077-2 - Wood species: spruce or larch

- High quality s elected wood wood type: spruce (picea abies), oak , larch
- Excellent weathering resistance
 - with highly weatherproof aluminium cladding qualicode 2
- Airtight continious gaskets

MORE PERFORMANCE **BEST EUROPEAN WINDOW**



- Thermal bridge free floor connection/wheel chair accessable flat threshold for patio doors
- All types of glass available: Sun protection Sound insulation Safety toughend or laminated glass • burglar glass Possible glass thickness from 26 mm to 53 mm
- Triple glass: Ug = 0.5 or 0.7 W/m²K or double glazing Ug = 1.10 W/m²K Execution always with warm edge spacer
- Make your choice: Standard exposed or fully consealed window hinges
- Adjustable window hinges up to 130 kg, tested on 20.000 opening and closing cycles
- Doptional: welded alu clad corners
- All products are CE-certified

ENERGATE[®] Standard

Serviceability	DIN EN 12210	
deflection	± 1800Pa, 2400 Pa and 3000 Pa	
	DIN FN12217	
Operating force of	75N (tilt&turn sashes)	
opening sashes		
	and 100 N (sliding doors)	
	DIN EN12007	
Air infiltration	Class 4	
	0.13L/s=0.47m ³ /h@600Pa	
	DIN FN12208	
W		
Water penetration	9A(600 Pa in both +/- directions)	
	single opening window	
	DIN FN 12210	
Illtimate strength	C5 (1/300, 2000/1000/3000 Pa)	
Ultimate strength		
	single opening window	
	DIN FN 1191	
Permanent	Class 3	
function		
	up to 20.000 opening & closing cycles	

A WIDE CHOICE OF PRODUCT TYPES









Turn position

1.002 Single opening window with fixed side light

Tilt position

Turn position









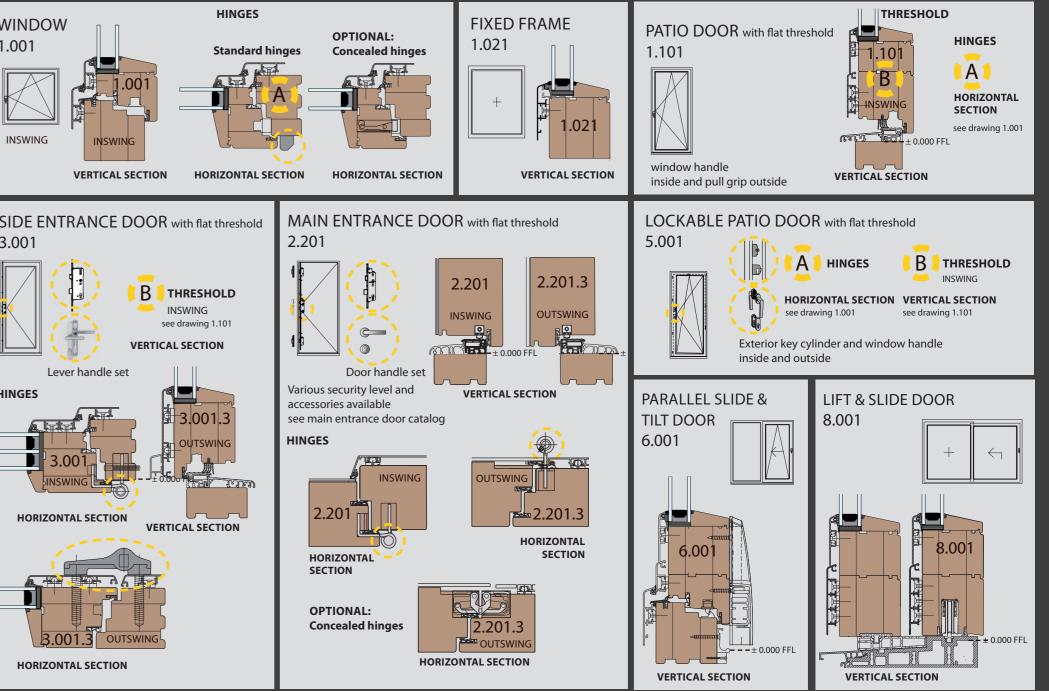


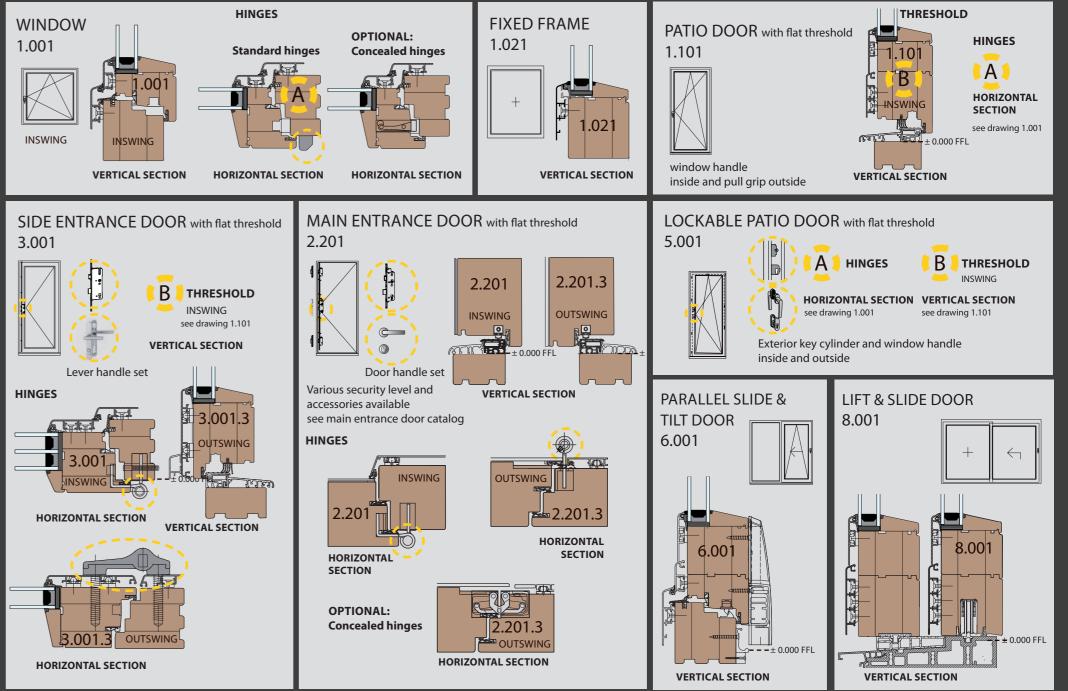
+ \leftarrow

8.001 Lift & slide door with flat threshold



Opening position





Window & Door System also available as WOOD version without aluminium cladding

ENERGATE 963 - Wood with aluminium cladding



FULL CHOICE OF ACCESSORIES



Toughened safety glass



Customized doors



Child safety lock Hidden rotating lock

Alu- clade colors



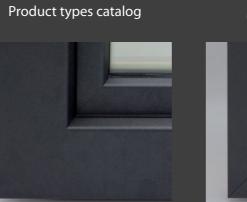
Handle choice: Standard or customized



Great choice of fine selected wood







Welded alu clad corners



Main entrance doors



Plugged alu clad corners





fully concealed hinges







"With ENERGATE windows you get the best value for a great price" _{Customer's review}





Expo Haus in Waikato, NZ

- ENERGATE products available in a range of thermal performances to suit your requirements
- ENERGATE products are tested in extreme climatic conditions to ensure performance
 - Installation assistance available on request
 - We are specialist in product consulting tailored to your needs

Ludwig International GmbH

Fenestration Products & Building envelope solutions Colonge · Germany

Phone: +49 (0)221 / 999 831 50 sales@energate.com

WWW.ENERGATE.COM

