



# Purso LK78X

WINDOW AND DOOR SYSTEM

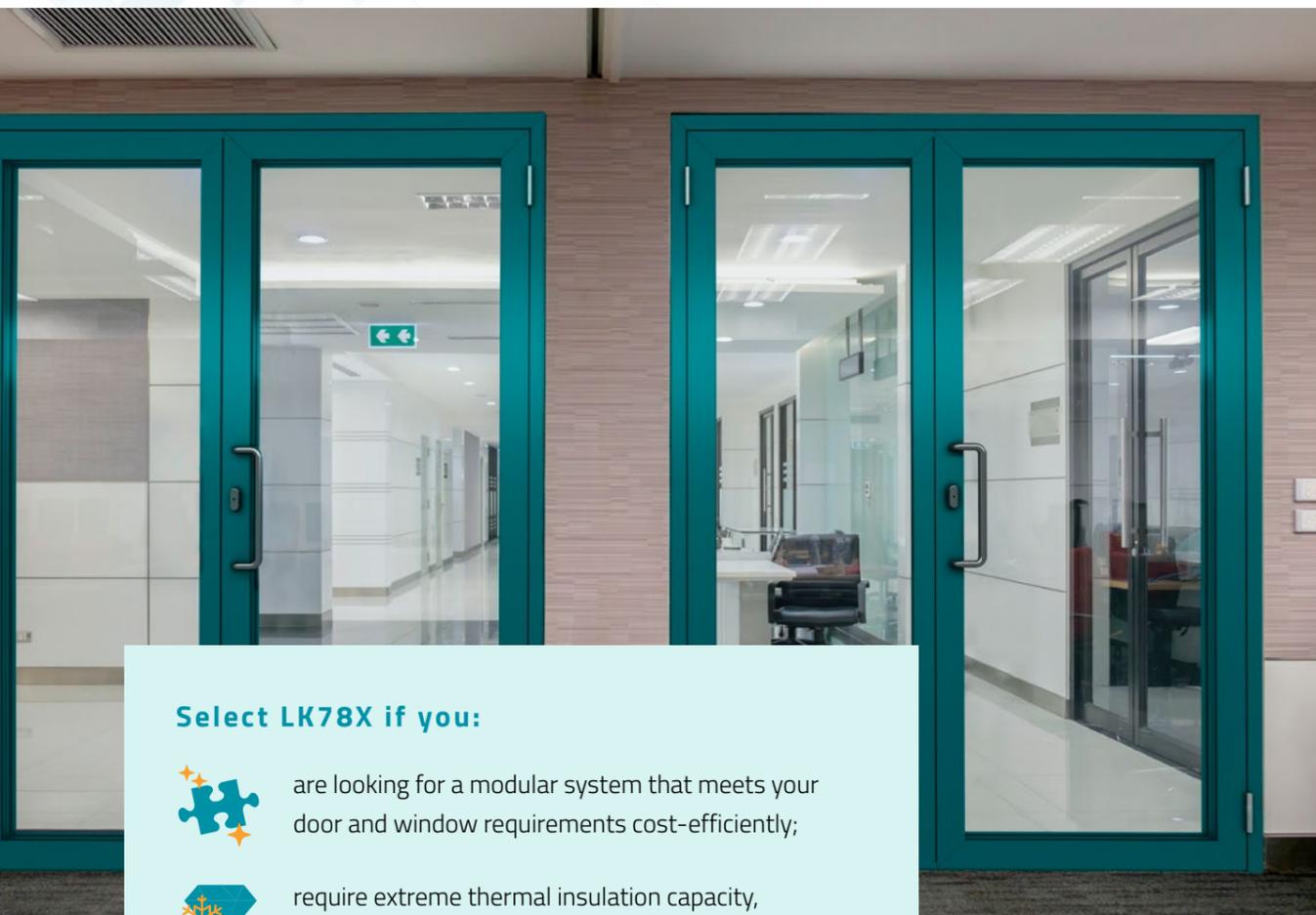
exceptional energy  
efficiency



# Purso LK78X window and door system

The easiest way to improve the energy efficiency of a building is to ensure its proper thermal insulation. Our extremely tight Purso LK78X window and door system combines an exceptionally low U value and superb usability in any weather conditions with highly stylish design. LK78X is a safe choice when you need inward or outward opening doors, sliding doors or fixed, or inward or outward opening windows. Throughout its life cycle, the system requires minimal care and maintenance, and it is fully recyclable after it has reached the end of its service life.

- Best-in-class thermal insulation capacity and tightness
- Excellent sound reduction index
- U values as low as below 0.8 W/m<sup>2</sup>K
- Easy maintenance in all weather conditions
- Modular system
- Fully recyclable; can be manufactured from recycled aluminium
- Finnish product, designed to match Finnish taste and conditions



## Select LK78X if you:



are looking for a modular system that meets your door and window requirements cost-efficiently;



require extreme thermal insulation capacity, usability and durability;



are looking to reduce your building's carbon footprint.

## Features/classification according to standard SFA-EN 14351-1 +A1

### DOORS

Properties	LK78X single-leaf door			LK78X double-leaf door		
Resistance to wind load <sup>1)</sup> (EN 12210)	C3 (1200 Pa, ≤1/300)			C3 (1200 Pa, ≤1/300)		
Water tightness <sup>2)</sup> (EN 12208)	5A (ulosauk./ Outward) 9A (sis.auk./ Inward)			6A (ulosauk./Outward) 7A (sis.auk./Inward)		
Acoustic performance <sup>2)3)4)</sup> (EN ISO 717-1)	R <sub>w</sub> 41 dB <sup>4)</sup>	R <sub>w</sub> + C 40 dB <sup>4)</sup>	R <sub>w</sub> + C <sub>tr</sub> 38 dB <sup>4)</sup>	R <sub>w</sub> 41 dB <sup>4)</sup>	R <sub>w</sub> + C 40 dB <sup>4)</sup>	R <sub>w</sub> + C <sub>tr</sub> 39 dB <sup>4)</sup>
Thermal transmittance (U <sub>p</sub> ) <sup>3)</sup> (EN ISO 10077-2)	≥ 0,78 W/m <sup>2</sup> K			≥ 0,79 W/m <sup>2</sup> K		
Air permeability <sup>2)</sup> (EN 12207)	4 (ulosauk./Outward) 4 (sis.auk./Outward)			3 (ulosauk./ Outward) 2 (sis.auk./ Inward)		
Burglar-resistance <sup>5)</sup> (EN 1627)	RC3					

**Please note!** The values in the table apply to single-leaf doors, size 990 x 2,090 mm, and double-leaf doors, size 1,520 x 2,090 mm, except for the thermal transmittance value that has been calculated for standard glass doors (1,230 x 2,180 mm and 2,000 x 2,180 mm).

1. Element size: single-leaf ≤ 2.1 sqm, double-leaf ≤ 3.2 sqm
2. Element size: single-leaf ≤ 3.1 sqm, double-leaf ≤ 4.8 sqm
3. Project-specific values to be determined on a case-by-case basis
4. Glass/Infill panel, see LK78 product passport
5. CE marking not applicable. (Not included in Table ZA.1 of the product standard EN 14351-1).  
Door dimensions: 880 to 1,210 x 1,840 to 2,530 mm, special structure

### WINDOWS

Properties	LK78X fixed window			LK78X inward-opening window			LK78X outward-opening window		
Resistance to wind load <sup>1)</sup> (EN 12210)	3 (1200 Pa)			C3 (≤1/300, 1200 Pa)			C3 (≤1/300, 1200 Pa)		
Water tightness <sup>2)</sup> (EN 12208)	E1200			E1200			E750		
Acoustic performance <sup>2)3)4)</sup> (EN ISO 717-1)	R <sub>w</sub> 44 dB <sup>4)</sup>	R <sub>w</sub> + C 43 dB <sup>4)</sup>	R <sub>w</sub> + C <sub>tr</sub> 41 dB <sup>4)</sup>	R <sub>w</sub> 40 dB <sup>4)</sup>	R <sub>w</sub> + C 39 dB <sup>4)</sup>	R <sub>w</sub> + C <sub>tr</sub> 35 dB <sup>4)</sup>	R <sub>w</sub> 41 dB <sup>4)</sup>	R <sub>w</sub> + C 39 dB <sup>4)</sup>	R <sub>w</sub> + C <sub>tr</sub> 36 dB <sup>4)</sup>
Thermal transmittance (U <sub>p</sub> ) <sup>3)</sup> (EN ISO 10077-2)	≥ 0,70 W/m <sup>2</sup> K			≥ 0,81 W/m <sup>2</sup> K			≥ 0,81 W/m <sup>2</sup> K		
Air permeability <sup>2)</sup> (EN 12207)	4 (600 Pa)			4 (600 Pa)			4 (600 Pa)		

**Please note!** The values in the table apply to standard-sized windows (1,230 x 1,480 mm).

1. Element size ≤ 1.8 sqm
2. Element size ≤ 2.7 sqm
3. Project-specific values to be determined on a case-by-case basis
4. Glass/Infill panel, see LK78X product passport

## Request a quote or contact us for more information

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[purso.fi/en/products/lk78X](https://purso.fi/en/products/lk78X)

### **Building systems from aluminium – high quality and usability with uncompromised appearance**

High-quality building systems are a durable, ecological and cost-efficient choice. Designed in Finland, Purso building system products meet the requirements of the harsh conditions in northern Europe and enable versatile design solutions. Our portfolio features facade, door, window, glass roof and louvre solutions, to name a few examples.

Purso designs and manufactures aluminium products and systems that form an integral part of the everyday scenery for people and companies; we offer durable solutions for industry, facades and lighting needs. We combine user comfort and style efficiently and ecologically to make our customers' visions come true.