



# ALUMINIUM SOLUTIONS FOR RESIDENTIAL PROPERTY

[WWW.ALUTECH-GROUP.COM](http://WWW.ALUTECH-GROUP.COM) 



# ALUTECH CARES



Eco-friendly and energy-efficient full-cycle production facilities (foundry shop, extrusion, coating and anodizing lines) allow us to make our products in the most sustainable way possible.

We aim to minimise unnecessary consumption of raw materials, energy and environmental impact.



Aluminium is one of the most sustainable materials on our planet

## ENVIRONMENTAL COMMITMENT

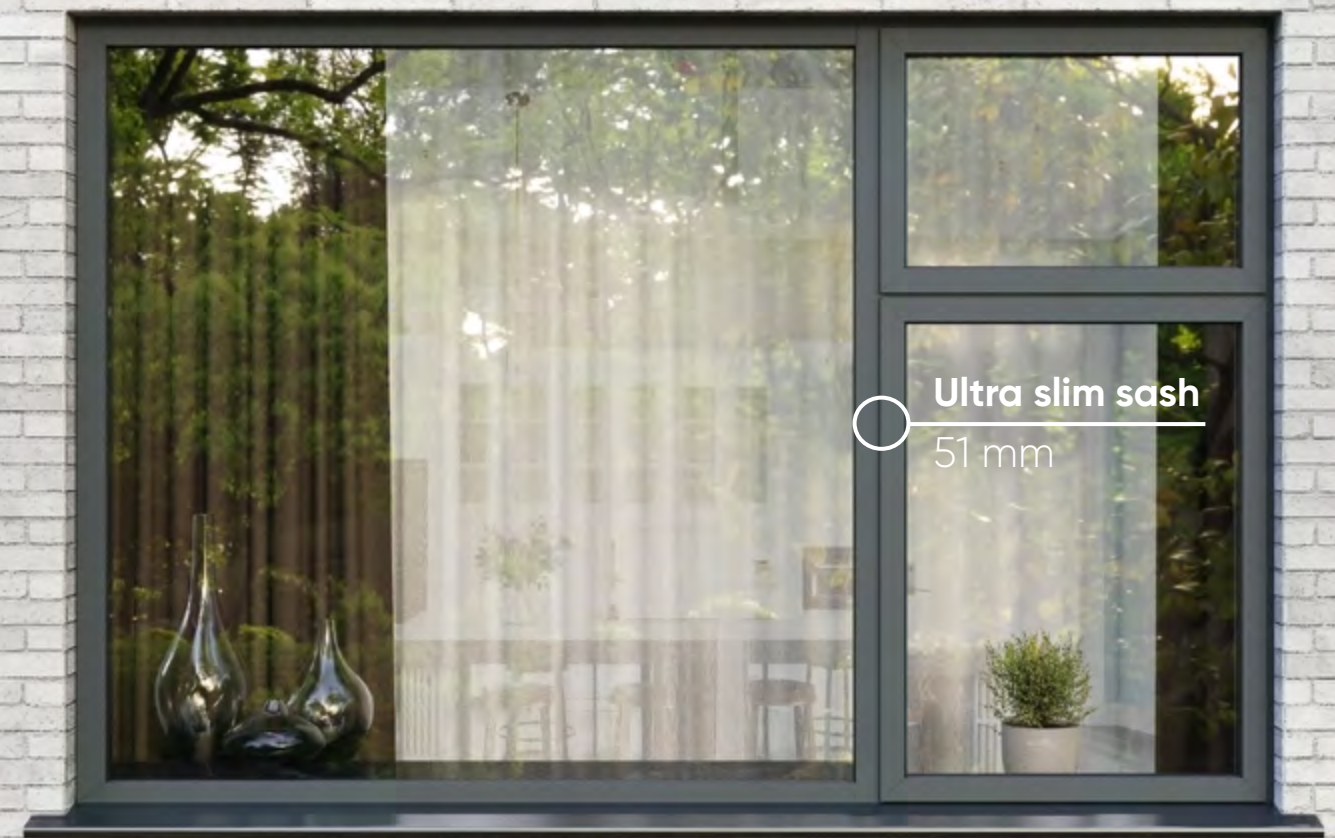
ALUTECH aluminium profiles with anodic oxide coating have reached **Cradle to Cradle Certified®** Silver level.

It is a registered trademark of Cradle to Cradle Products Innovation Institute that confirms sustainability of the product life cycle.



**Environmental Product Declaration (EPD)** received for ALUTECH systems signals ALUTECH commitment to measure and reduce the environmental impact of its products and services.

ALUTECH EPD declarations confirm comparable, objective and third-party verified data that shows the environmental performance of the products and services.



## ALT W73 CW ULTRA SLIMLINE CASEMENT WINDOWS



Combining the refined look of aluminium and the latest thermal and security performance will make your home safe and full of daylight.

### WARM AND SEALED

- Unique optimized profile design for better thermal insulation;
- Outstanding tightness performance;
- BFRC rated ('A+' for triple glazed window).

### SAFETY

- PAS24 certified;
- Advanced security with special glass fixing clip;
- World leading hardware suppliers.

### STYLISH AND INDIVIDUAL

- Variety of design options;
- Different surface treatment types for anodizing (bead blasting / brushing / polishing);
- Wide range of RAL colours available as well as any other special powder request.



## TECHNICAL CHARACTERISTICS

### Dimensions

Max sash height	2 200 mm
Max sash width	1 750 mm
Max sash weight	180 kg
Glazing thickness	28–48 mm
Types of glazing	from inside and outside

### Comfort

Air permeability	class 4 (600 Pa) EN 1026:2000, EN 12207:1999
Water tightness	
side hung	class E1350 (1 350 Pa)
top hung	class E1500 (1 500 Pa) EN 1027:2000, EN 12208:1999
Wind load resistance	
side hung	class C5 (2 000 Pa; 1/300)
top hung	class C3 (1 200 Pa; 1/300) EN 12211:2000, EN 12210:1999
Burglar resistance	PAS 24:2016 (class W)

### Energy

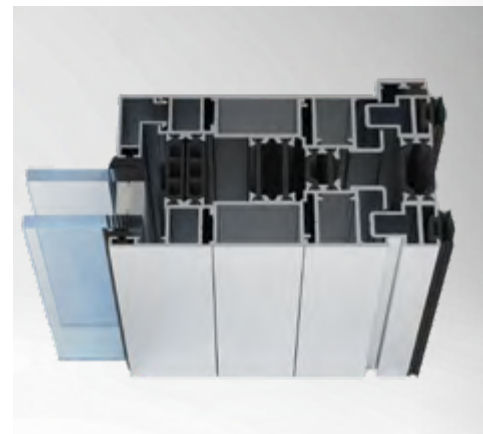
Triple glazed window*	$U_w = 1.1 \text{ W/m}^2 \cdot \text{K}$ WER of 'A+' rating
Double glazed window**	$U_w = 1.6 \text{ W/m}^2 \cdot \text{K}$ WER of 'B' rating

\*For 1.48 × 1.23 m window dimensions with  $U_g = 0.5 \text{ W/(m}^2 \cdot \text{K)}$

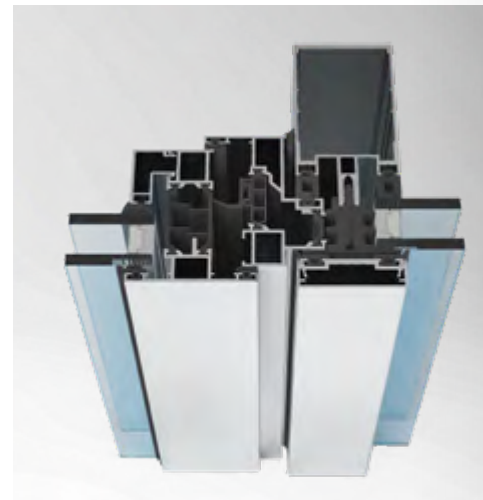
\*\*For 1.48 × 1.23 m window dimensions with  $U_g = 1.1 \text{ W/(m}^2 \cdot \text{K)}$

≥ 20	<b>A</b> ++
> 10 to 20	<b>A</b> +
0 to < 10	<b>A</b>
-10 to < 0	<b>B</b>
-20 to < -10	<b>C</b>
-30 to < -20	<b>D</b>
-50 to < -30	<b>E</b>

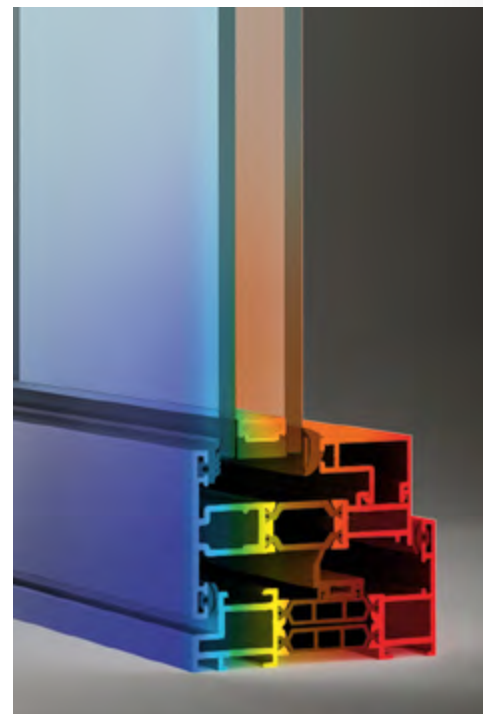
**BFRC Rating**  
kWh/(m<sup>2</sup>·yr)



ALT BF73 bi-folding door integration



ALT F50 curtain walling integration



$U_w$  down to 1.1 W/m<sup>2</sup>·K



## OPTIONS

- Internal / external beading option available;
- Flush / stepped design options for all window configurations.



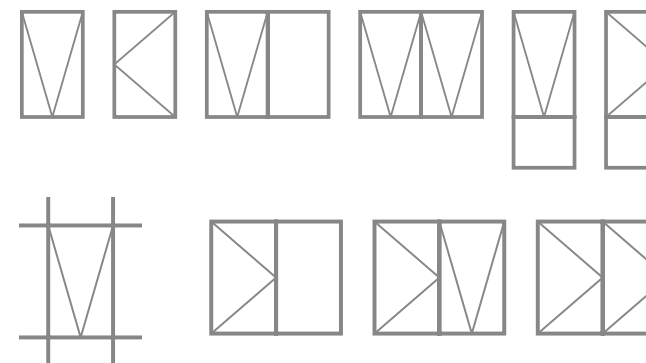
Ultra slim sash



Slim sash



Standard sash



### FINISH

- Single and dual colour options;
- Coating quality confirmed by Qualicoat/ Seaside, Qualanod, Cradle to Cradle;
- Wood grain effect options;
- Special Antimicrobial BIO-coating.

### HARDWARE

Hardware kits from leading UK hardware producers.





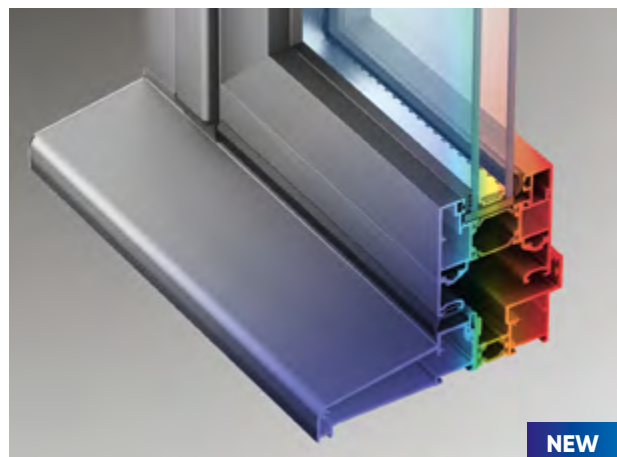
Slimline sash  
48.5 mm

## FOLDING SYSTEM

# ALT BF73 SLIMLINE BI-FOLDING DOORS

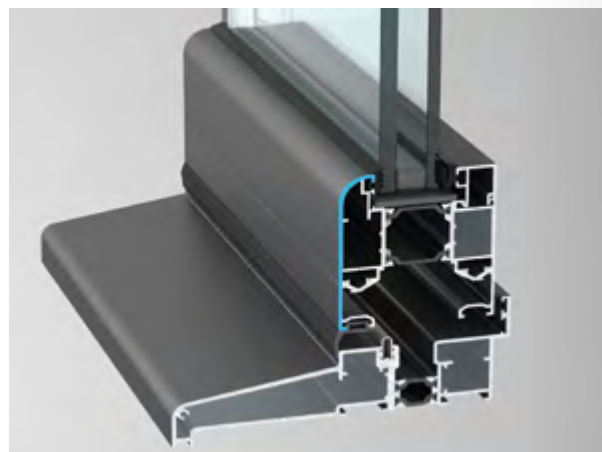


Designed with contemporary and ultra-slim sightlines, BF73 will span the largest openings, combining advanced thermal performance and weather sealing.



NEW

Effective water removal due to the new integrated cill frame and concealed drainage system



Elegant Rounded sash option

## TECHNICAL CHARACTERISTICS

### Dimensions

Max sash height	3 000 mm
Max sash width	1 200 mm
Max infill unit thickness	44 mm
Max infill unit weight	120 kg

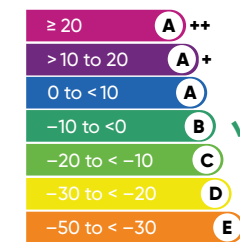
### Comfort

Water tightness in accordance with EN 1027:2000, EN 12208:1999	class 9A (600 Pa)
Air tightness in accordance with EN 1026:2000, EN 12207:1999	class 4 (600 Pa)
Wind load resistance in accordance with EN 12211:2000, EN 12210:1999	class A3 (1 200 Pa)
Impact resistance in accordance with EN 13049:2003	class 5
Burglar resistance	PAS24 (class D)

### Energy

Triple glazed door*	$U_g = 1.2 \text{ W/m}^2 \cdot \text{K}$ (DSER of 'B' rating)
Double glazed door**	$U_g = 1.6 \text{ W/m}^2 \cdot \text{K}$ (DSER of 'C' rating)

\*For 2.18 x 3.0 door dimensions ('3-2-1' configuration) with  $U_g = 0.6 \text{ W/(m}^2 \cdot \text{K)}$   
 \*\*For 2.18 x 3.0 door dimensions ('3-2-1' configuration) with  $U_g = 1.2 \text{ W/(m}^2 \cdot \text{K)}$



BFRC Rating  
kWh/(m<sup>2</sup>·yr)



Lever-Lever French doors  
The excellent access solution for any project





# PATIO SYSTEMS

## ALT SL130 SLIMLINE LIFT & SLIDE AND SLIDING DOORS

A stylish functional solution for private and commercial facilities. ALT SL130 Slimline patio system will enrich the premises with natural light, give an excellent view of the surrounding landscapes, provide seemingly endless transparent surfaces.

Availability of automatic control option makes the daily door operation even more comfortable.



**Slim Interlock option (50 mm)**  
Special solution for thermal insulation and tightness

### TECHNICAL CHARACTERISTICS

#### Dimensions

Max sash height	3 300 mm
Max sash width	3 200 mm
Max infill unit thickness	24–42 mm
Max sash weight	420 kg

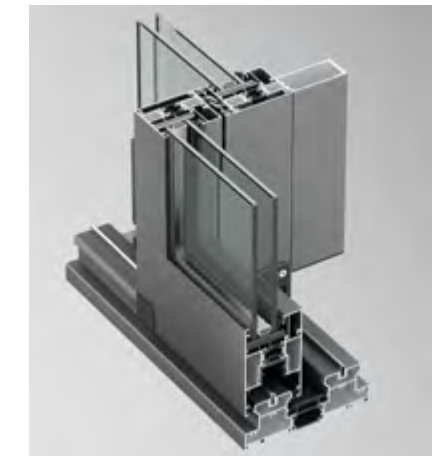
#### Comfort

Interlock options	<b>50 mm, 100 mm</b>
Water tightness in accordance with EN 1027:2000, EN 12208:1999	class E900 (900 Pa)
Air tightness in accordance with EN 1026:2000, EN 12207:1999	class 4 (600 Pa)
Wind load resistance in accordance with EN 12211:2000, EN 12210:1999	class C5 (2000 Pa)
Impact resistance in accordance with EN 13049:2003	class 5
Acoustic performance in accordance with 10140–2:2011, EN ISO 10140–4:2011	up to 36 dB
Burglar resistance	PAS 24:2016 (class D)
Hardware options	Concealed hardware kit, Comfort Close, Gas Lift Handle

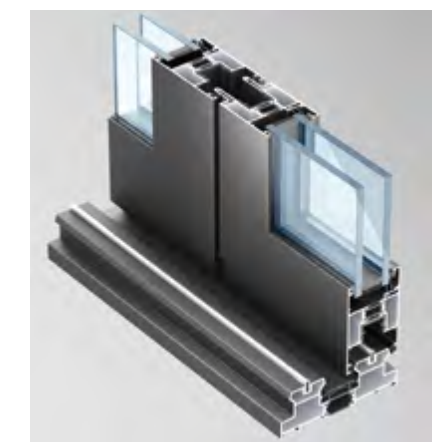
#### Energy

Thermal insulation in accordance with EN ISO 10077-1:2007, EN ISO 10077-2:2012	$U_d \geq 1.3 \text{ W/m}^2 \cdot \text{K}$
---	---

ALT SL130 system gives architects and designers a wide range of design solutions for large openings.



Reinforced Interlock option



Single-, Double-, Triple Track options







## ALT W72 TILT & TURN INWARD OPENING WINDOWS



ALT W72 is a high-quality inward opening window system that combines multi-faceted design options, the highest level of thermal insulation, comfort, safety and proven technical solutions in manufacturing and assembly.

### ADVANTAGES

- High thermal insulation performance.
- Multiple sash design options.
- High level of acoustic performance, air tightness and safety.

### TECHNICAL CHARACTERISTICS

Max sash height	2 500 mm
Max sash width	1 600 mm
Infill unit thickness	58 mm
Max infill unit weight	150 kg
Water tightness	class E1200 (1 200 Pa)
Wind load resistance	class C5 (2 000 Pa)
Air tightness	class 4 (600 Pa)
Acoustic performance	up to 41 dB
Thermal insulation in accordance with EN ISO 12567-1:2011	$U_w \geq 0,84 \text{ W/m}^2 \cdot \text{K}$
Burglar resistance	PAS 24:2016 (class W), RC2



Tilt-First security function by ROTO – the twist lock position of the hardware is blocked by a special "Tilt-First" handle. The sash can only be opened into the twist lock position with a key!

## ALT JB JULIET BALCONIES



ALT JB is a specially designed system for fast and simple installation of almost invisible glass railings of Juliet balconies. ALT JB solution will help to create an exclusive design as well as comfort and safety in daily operations.

ALT JB system solutions can be used for the organization of glass balconies up to 3 m in length.

### TECHNICAL CHARACTERISTICS

Max width	3 000 mm
Installation method	overlapping; integration into the aperture

### ADVANTAGES

- Secure protection with fully opened sashes.
- Natural lighting of the premises: maximum barrier width – 3 000 mm.
- Wide viewing angle of the environment.
- Ease of perception both internally and externally.
- Compatibility with W72/62 windows, SL130 and SL160 patio doors.







## ALT W72 AW PREMIUM WOOD-ALUMINIUM INWARD OPENING WINDOWS

Modern, durable windows made from aluminium and natural wood. Wood makes the interior look noble, cozy and elegant, at the same time aluminium ensures durability and weather resistance of the windows.

Wood-aluminium windows are based on ALT W72 thermally insulated window system with high level of energy efficiency, air tightness and safety performance.

### FEATURES

- The outer part of the window is made of aluminium; the inner part is lined with natural wood.
- Installation of timber covers is done after the window assembly.
- Prefabricated windows are shipped to the client under manufacturer warranty.

### A VARIETY OF DECORATIVE COVERS MADE FROM NATURAL WOOD



Natural oak



Dark oak



Golden oak



White ash

## TECHNICAL CHARACTERISTICS

### Dimensions

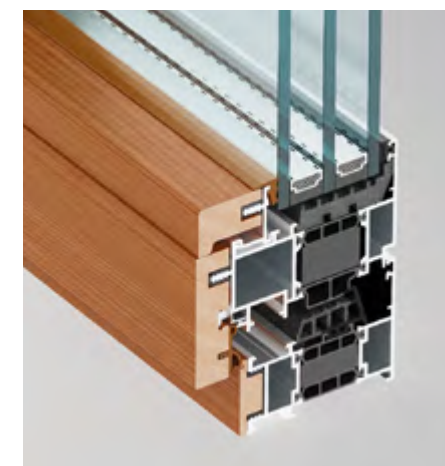
Max sash height	2 600 mm
Max sash width	1 650 mm
Max infill unit thickness	50 mm

### Comfort

Water tightness in accordance with 1027:2000, EN 12208:1999	class E1200 (1 200 Pa)
Wind load resistance in accordance with 1026:2000, EN 12207:1999	class C5 (2 000 Pa)
Air tightness in accordance with 12211:2000, EN 12210:1999	class 4 (600 Pa)
Acoustic performance in accordance with EN ISO 10140-2:2011, EN ISO 10140-4:2011	up to 41 dB

### Energy

Thermal insulation in accordance with EN ISO 12567-1:2011	$U_w \geq 0.84 \text{ W/m}^2 \cdot \text{K}$
--	--



Two sash design options (curved or square)





# ALT W72D / HD STANDARD / HEAVY DUTY RESIDENTIAL DOORS



Reliable ALT W72D / HD aluminium doors provide an excellent level of security and thermal insulation. Entrance doors can be used in both residential and commercial real estate sector.

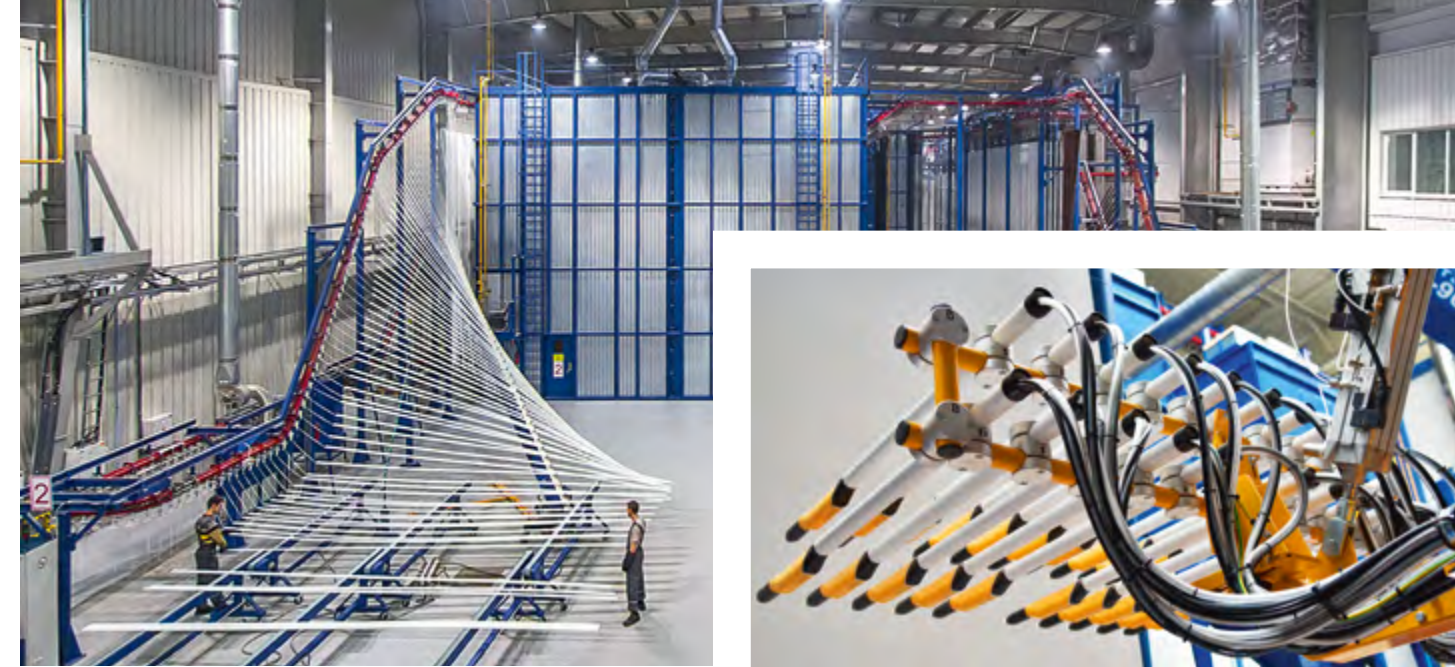


## TECHNICAL CHARACTERISTICS

Max sash height (W72D / W72HD)	2 500 mm / 3 000 mm
Max sash width	1 250 mm
Infill unit thickness	54 mm
Max infill unit weight (W72D / W72HD)	200 kg / 250 kg
Water tightness	class 4A (150 Pa)
Air tightness	class 3 (600 Pa)
Wind load resistance	class C3 (1 200 Pa)
Impact resistance	class 5
Burglar resistance	PAS24:2022 class D
Thermal insulation	$U_d \geq 1,3 \text{ W/m}^2 \cdot \text{K}$



High-quality concealed door closer will complement minimalistic design of the door



## COATING OPTIONS

High quality of powder and anodic coatings of ALUTECH products is confirmed by Qualicoat/Seaside and Qualanod international quality certificates.



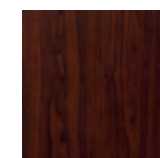
### POWDER COATING

> 200 colours according to RAL colour chart;  
> 50 standard colours without extra surcharge including market leading RAL7038 matt.

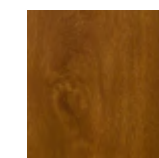


RAL7038 matt

### WOOD GRAIN EFFECT



Cherry



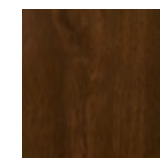
Golden oak



Irish oak



White ash



Walnut

### ANODIZING

3 types of surface treatment:

- Bead blasting;
- Brushing;
- Polishing.

9 anodized colour tones:

- Silver;
- Bronze (2 options);
- Black;
- Champagne;
- Cognac;
- Gold (3 options).







**ALUTECH is an innovative company that designs and manufactures aluminium systems for architecture and construction (windows and doors, facade, interior, fire resistant and sun protection systems).**



In-house engineering centre, eco-friendly full-cycle production (from smelting of primary aluminium to profile coating) as well as UK-based showroom and warehouse ensure steady and dynamic development of ALUTECH Group.



11.2023  
Art. R17003103

**Alutech Commercial UK**

Knights House 2 Parade, Sutton Coldfield,  
B72 1PD, United Kingdom  
ukcommercial@alutech-group.com  
+44 (0) 7436 336948  
+44 (0) 121 824 4788

**WWW.ALUTECH-GROUP.COM** 

**ALUTECH**   
GROUP OF COMPANIES