

BI-FOLDING  
DOORS  
**ENERGY  
RATING**



## APPROVED DOCUMENT L

Approved Document L regulates the measures for the conservation of fuel and power in buildings. The 15<sup>th</sup> of June 2022 new changes will be in force in order to improve the energy efficiency of the buildings. These changes are aligned with the UK government aim of moving towards net zero CO<sub>2</sub> emissions.

Under the new regulations, new build homes CO<sub>2</sub> emissions must be around 30% lower than current standards since other new buildings emissions must be reduced by 27%.

## EFFECTS IN FENESTRATION

New changes in Approved Document L imply that the contribution of windows and doors must be higher and depends on the type of building where they will be installed.

New Dwellings	U-values	BFRC
Windows	1.6	---
Doors	1.6	---

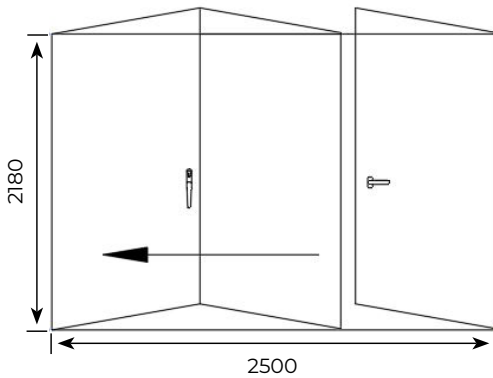
Existing Dwellings	U-values	BFRC
Windows	1.4	Band B
Doors >60% internal face glazed	1.4	Band C
Other doors	1.4	Band B

Commercial Buildings	U-values	BFRC
Windows in buildings similar to dwellings	1.6	Band B
Other windows	1.6	---
Curtain wall	1.6	---
Doors	1.6	---
High-usage entrance doors	3.0	---

\*U-value indicates how well a product can keep heat from escaping from inside a building. The lower the U-value the better the thermal insulation.

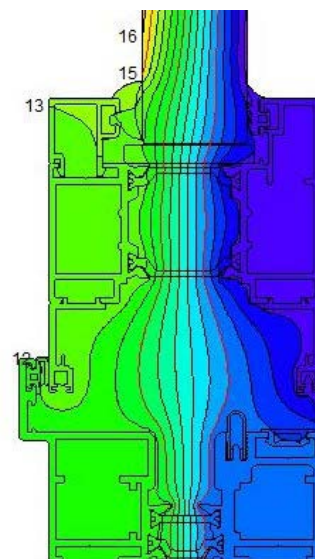
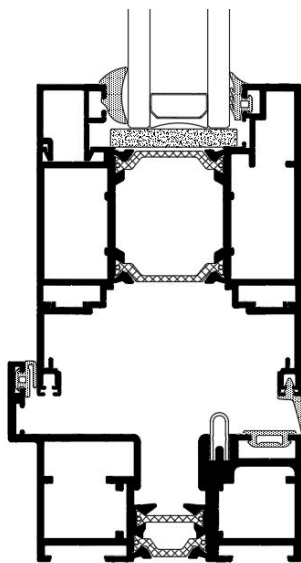
\*BFRC rating method considers the effects of thermal transmittance, solar gain and air leakage to produce a classification. Rating starts from A indicating the best energy performance to G indicating the worst.

# BI-FOLD



## Calculation Conditions

Series	BI-FOLD
Configuration	321
Dimensions	2500x2180 mm
Outer frame	COR-3730
Sash	COR-3721
Mullion	COR-3741



# BI-FOLD

$\psi_g = 0,03$

Ug / G	0,80	0,75	0,70	0,65	0,60	0,55	0,50	0,45	0,40
0,5	A	A	A	A	B	C	C	D	E
0,6	A	A	A	B	C	C	D	E	E
0,7	A	A	B	B	C	D	D	E	E
0,8	A	A	B	C	D	D	E	E	E
0,9	A	B	C	C	D	E	E	E	F
1,0	B	B	C	D	E	E	E	F	F
1,1	B	C	D	D	E	E	E	F	F
1,2	C	C	D	E	E	E	F	F	F
1,3	C	D	E	E	E	F	F	F	G
1,4	D	D	E	E	F	F	F	G	G
1,5	D	E	E	E	F	F	F	G	G
1,6	E	E	E	F	F	F	G	G	G
1,7	E	E	F	F	F	G	G	G	G
1,8	E	E	F	F	F	G	G	G	G
1,9	E	F	F	F	G	G	G	G	G
2,0	F	F	F	G	G	G	G	G	G