



Glass Protect

Thermia GR50
Integrated railing system



THERMIA[®]
BARCELONA

Thermia® GR50 Glass Protect

The Thermia GR50 Glass Protect integrated aluminum railing system makes it possible to install glass panes in front of doors and windows on the wall. This positioning provides an uninterrupted view of the exterior while providing a barrier for safety and protection.



SERIES FEATURES

MULLION	
Width	45 mm
Depth	45 mm
Thermal break	No
Profile thickness	2.0 mm

SERIES APPLICATIONS	
Window and door fixing system	Thermia AR78/ Thermia OC78 / Thermia AF52
Wall fixing system	Yes

GASKETS AND SEALING	
Vertical outer seal	Yes
Vertical inner seal	Yes
Optional aluminum handrail	Yes

TYPE OF OPENING	
FIXED	Yes

GLAZING	
Type 1 (maximum width 1500 mm)	12 mm (6+6.4 mm)
Type 2 (maximum width 2000 mm)	16 mm (8+8.4 mm)
Type 3 (maximum width 3000 mm)	20 mm (10+10.4 mm)
Structural silicone	Yes

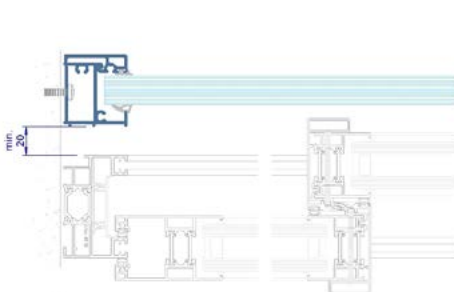
TEST RESULTS

Outward horizontal static test	Pass
Inward horizontal static test	Pass
Vertical static test	Pass
Static test for soft-body impact	Pass
Static test for hard-body impact	Pass
Safety test	Pass

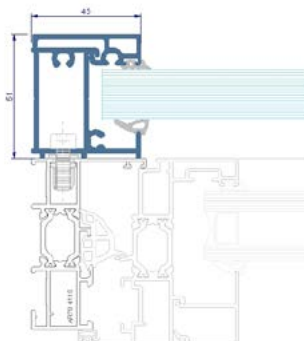
*See results in the technical product catalog

Classification of usage categories according to CTE -A1/A2/C3/C4/C5/
D1/D2/G1/
STANDARD UNE 85237-91 Annex 3.2 CTE SE-AE

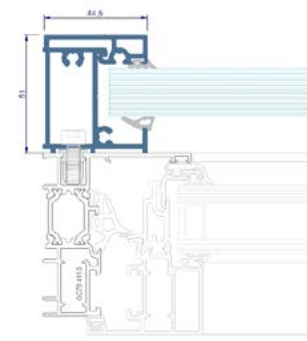
CROSS-SECTION



LATERAL CROSS-SECTION WITH SYSTEM
THERMIA **MAGNA** CR46 SLIDING



INTEGRATED LATERAL CROSS-SECTION
WITH THERMIA **HABITAT** AR78 SYSTEM



INTEGRATED LATERAL CROSS-SECTION
WITH THERMIA **LUMIA** OC78 SYSTEM

Quality seals



Qualanod seal
for anodization

Licence number: 1014



Qualicoat seal for
lacquer

Licence number: 405



Qualideco seal for imita-
tion wood

Licence number: ES-0009F

Certification



THERMIA BARCELONA
EN14351-1:2006+A2:2016