



ZA 90

Beyond all limits

When height is the challenge.
ZA 52 facade has been developed to
overcome what would seem impossible.



ZA 90 : quick installation

The ZA 90 system is suitable for extended glass surfaces because of its quick installation without the need of scaffolding.

The sealing systems are combined to resist high wind pressures as well as movement of the building.

ZA 90 : modern design

The assembly system, the lines of the profiles, as well as the forms of the accessories, have been developed to guarantee high insulation performance as well as a modern and

balanced design. With the structural glazing version of the ZA 90 system, the gap between glass panes is reduced to 15 mm, offering a perfectly smooth surface.

ZA 90 : structural resistance

Our main goal with the ZA 90 system was to combine elegance of design, performance, and resistance. Thanks to a 45° cut profile method, use of triple corner joints, and glass

fixing with an exclusive clip system, the ZA 90 is characterised by excellent structural strength. The strength which is needed to reach heights impossible for other types of facades.

ZA 90

unitised structural glazing facade

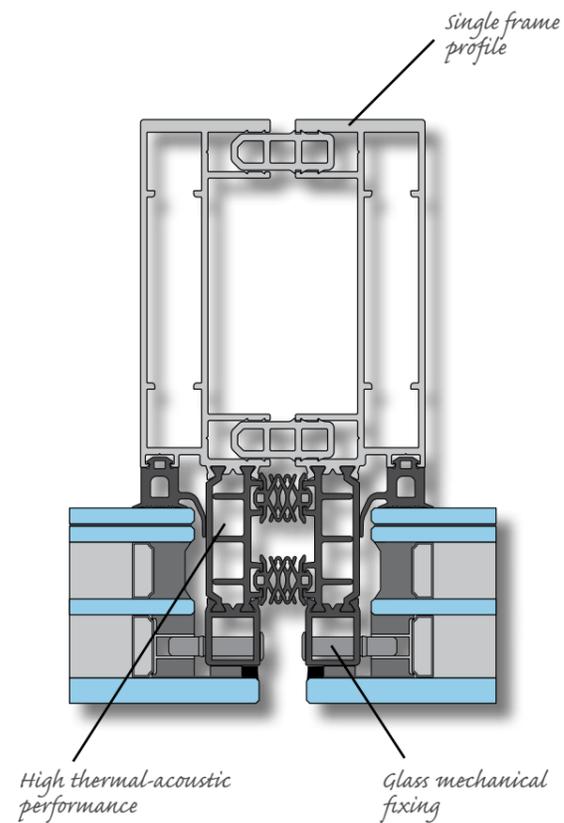
The ZA 90 facade is a modular system using prefabricated units which is capable of meeting the challenge of the highest of buildings. The units are produced in our factory under rigorous quality control systems, from the assembly of the frames to the application of the glass panes and blind panels.

The frames are produced with a 45° cut profile method and triple corner joints, guaranteeing structural strength to the maximum levels. Furthermore, an exclusive mechanical glass fixing system avoids the need to produce traditional units with glazing beads or structural sealants.

The use of a strong, single frame increases the moment of inertia of the facade, therefore reducing the overall thickness of the structure and, as a consequence, optimising production time and costs of materials.

Aesthetically, the ZA 90 facade is available in its structural version without visible profiles, or in the version with visible external glazing beads.

The integration of hinged openings into the facade is done without compromising the architectural aspect, neither internally nor externally, all the while guaranteeing an excellent resistance of the opening itself to the elements.



performance

Air insulation	AE
Wind pressure	1200 Pa
Water insulation	RE1200

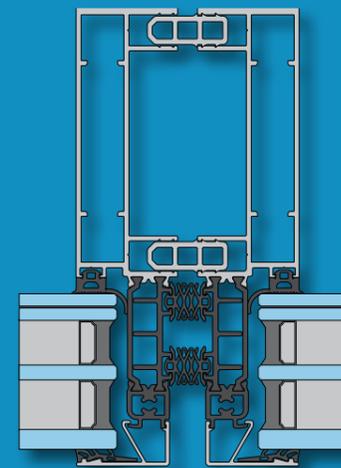
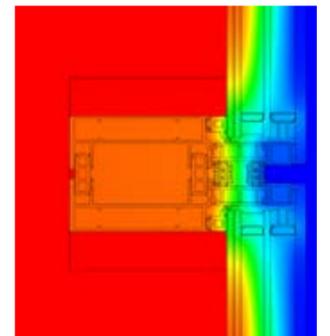
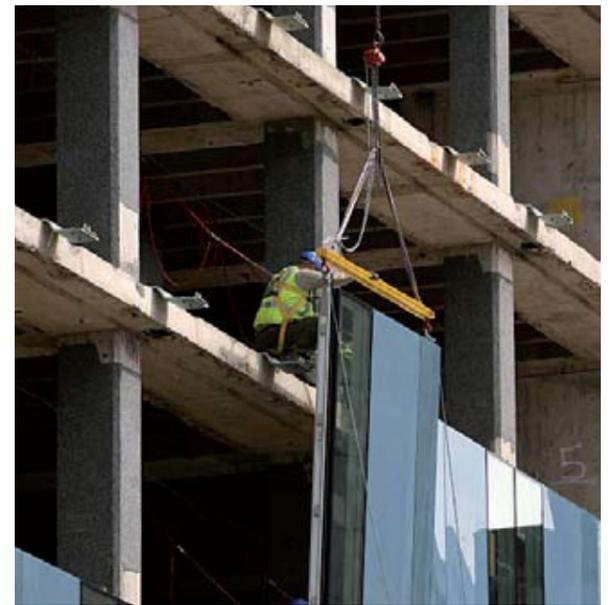
features

Profile section	90 mm
Gap between glasses	15 mm
Profile depth	Variable
Glass thickness	6-62 mm
Glass weight	over 800 kg

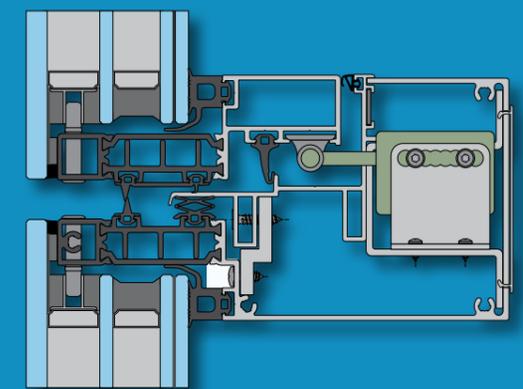
thermal parameters

Facade module	1500x3500 mm
Profile depth	110 mm
100% visible parts	
Glass insulation	Ug 0,60 W/m2k
Total facade insulation	Ucw 0,91 W/mqK
50% visible parts/spandrel parts	
Glass insulation	Ug 0,60 W/m2k
Glasspanel insulation	Up 0,20 W/m2k
Total facade insulation	Ucw 0,73 W/m2k

Unitised element installation



Profile on sight version



Insert of window with structural glass