aluron
ALUMINIUM SYSTEMS

Professional aluminium cladding system for passive housing
GEMINI PASSIV & PASSIV ULTRA

CE CERTIFIED

Uw >0,61 W/(m²K)

Uw >0,76 W/(m²K)

cool, temperate climate phB CERTIFIED COMPONENT Passive House Institute

cold climate phB CERTIFIED COMPONENT Passive House Institute

ift ROSENHEIM

The GEMINI Passiv is a wood-alu system for window constructions designed for passive housing.

Thanks to its high utility and durability in the form of excellent thermal insulation, above average tightness, air permeability and wind load resistance, this system is suitable for modern, energy-saving and high performance buildings. The system utilizes innovative insulation material of high durability foamed PS, which shares the properties of wood. Thanks to its high level of rigidity, Gemini assembly clips can be screwed directly into it. Additional components that distinguish this system from more traditional wood-alu designs include the broadened main gasket, PE cord, additional central gasket, and the use of a Swisspacer Ultimate warm edge spacer bar.

PE cord

Circular gasket

TPE system gasket

Standard GEMINI clips

Standard GEMINI clips
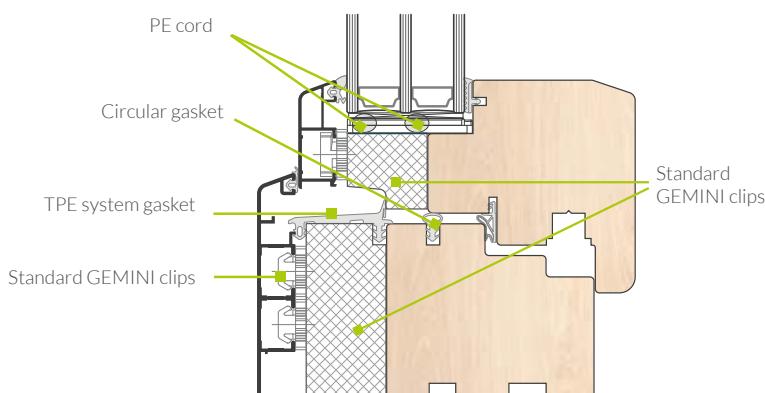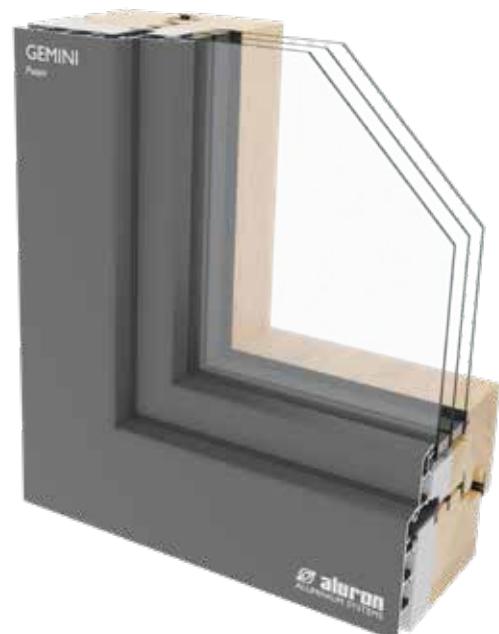
Temperature distribution
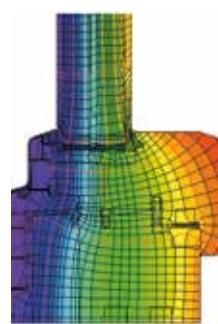
Passiv
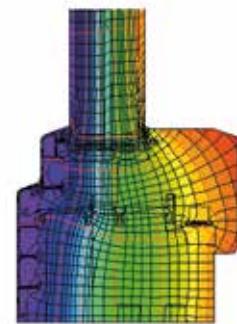
Passiv Ultra

DESIGN & FUNCTIONALITY

45° System corners joined at 45°.

Corner joints with „invisible weld" technology to guarantee a smooth, uniform surface.

Mechanical jointing of corners using fasteners with visible cut edges.

Optional bending of sash and frame profiles to create structures with unusual shapes.

Easy and quick installation in production conditions.

Proprietary software for preparing quotes and placing orders.

A solution compatible with Classic and Soft Line aluminium window sills.

An option for using the Gemini Insecta system frame mosquito net.

An option to install a Gemini IGB balustrade integrated into the cladding or an independent balustrade with Gemini VGB extended profile.

SELECTED SYSTEM PARAMETERS

from 0,61 W/m²K	from 0,76 W/m²K	class E1200/9A	class C3/B3	class 4	78 mm	48 mm
Thermal insulation of Gemini Passiv Ultra	Thermal insulation of Gemini Passiv	Water tightness	Wind load resistance	Air permeability	Certified wood section thickness	Certified glass packet thickness

VARIETY OF COLOURS - ALURON COLOR COLLECTION 2

AR - MAT
Powder coating
RAL MAT

AR - FS
Powder coating
RAL FS

AM - FS
Powder coating
Metallic FS

Qualicoat Class 2

ANODIZED & EFFECT COLORS

AA C anode colours:
     C0, C33, C34
AA R imitation anode -
     powder coating

AD - MAT
Woodgrain decors
MAT