




















GEMI
WINDOWS AND DOORS



GEMI Windows and Doors

Thomas Phaer wrote, "The eyes are the windows to the soul". So can it be said, that windows are the eyes to a home's soul. GEMI Windows and Doors products are designed to simplify the end user experience leaving you with breathtaking elegance. Renowned Architect Frank Lloyd Wright believed in designing homes from the view and working inward. By minimizing sightlines and reducing the awkwardness of overcomplicated technologies, GEMI Windows and Doors have crafted a product to do exactly what you want it to; to frame the outside world and bring it into your home without sacrificing security or compromising comfort.

windows	entrance doors	sliding doors
<div><div>PASSIVE CL, HL</div><div>vinyl window</div><div>U_w from 0.13 (U.S./I-P) 6</div><div></div></div>	<div><div>STANDARD D</div><div>uPVC entrance doors</div><div>U_w from 0.27 (U.S./I-P) 22</div><div></div></div>	<div><div>GEMI SD 85</div><div>uPVC portal</div><div>U_w from 0.17 (U.S./I-P) 36</div><div></div></div>
<div><div>STANDARD CL, CL+, OL, OL+</div><div>vinyl window</div><div>U_w from 0.17 (U.S./I-P) 8</div><div></div></div>	<div><div>CLASSIC D / QUADRAT D</div><div>wood-alu entrance doors</div><div>U_w from 0.143 (U.S./I-P) 24</div><div></div></div>	<div><div>QUADRAT SD</div><div>wood-alu portal</div><div>U_w from 0.17 (U.S./I-P) 38</div><div></div></div>
<div><div>BASIC</div><div>vinyl window</div><div>U_w from 0.22 (U.S./I-P) 10</div><div></div></div>	<div><div>GEMI ALU D 92</div><div>alu entrance doors</div><div>U_w from 0.17 (U.S./I-P) 26</div><div></div></div>	<div><div>GEMI ALU SD 77HI, 77SL</div><div>alu portal</div><div>U_w from 0.17 (U.S./I-P) 40</div><div></div></div>
<div><div>CLASSIC W, QUADRAT W</div><div>wood-aluminium window</div><div>U_w from 0.143 (U.S./I-P) 12</div><div></div></div>	<div><div>GEMI ALU D 72</div><div>alu entrance doors</div><div>U_w from 0.20 (U.S./I-P) 28</div><div></div></div>	<div><div>SERIES 150, X</div><div>alu portal</div><div>U_w from 0.17 (U.S./I-P) 42</div><div></div></div>
<div><div>GEMI ALU W 77HI</div><div>aluminium window</div><div>U_w from 0.13 (U.S./I-P) 14</div><div></div></div>	<div><div>GEMI ALU D 65</div><div>alu entrance doors</div><div>U_w from 0.34 (U.S./I-P) 30</div><div></div></div>	
<div><div>GEMI ALU W 72, 72i</div><div>aluminium window</div><div>U_w from 0.17 (U.S./I-P) 16</div><div></div></div>	<div><div>GEMI ALU D 50</div><div>alu interior doors</div><div>U_w from 0.34 (U.S./I-P) 32</div><div></div></div>	
<div><div>GEMI ALU W 65</div><div>aluminium window</div><div>U_w from 0.29 (U.S./I-P) 18</div><div></div></div>		



Windows

Whether you experience four seasons or only one, GEMI has meticulously crafted a system that will provide you with the strength, insulation, acoustic rating, and UV protection necessary to enjoy your most valuable asset while keeping your loved ones and possessions protected.

- When considering a window package in a commercial application, consider the benefits of day lighting, the results of which minimize costs associated with the energy and electrical overhead while benefiting the health and productivity of the work force.
- Whether you are building a new house or remodeling, the GEMI windows are completely customizable.
- Nearly limitless choices of personal touches to make these products as unique and distinguished as the homes and businesses they adorn.
- Superior sound mitigation & thermal insulation values.
- Variety of 17 model lines to choose from, fully customizable to fit your individual needs.
- Guaranteed durability with the assurance of testing these products in some of the fiercest climates in the world.
- GEMI Windows and Doors has developed a signature product that incorporates the copious benefits composite materials add to the lifespan and productivity of a window while being versatile enough to reflect the individuals style.
- A complete list of accessories that work with your products structure, leaving you with one point of contact.



PASSIVE CL



PASSIVE CL laminated



PASSIVE HL laminated



PASSIVE HL with ALU clip

YOUR ADVANTAGES

- 6-chamber profile
- center gasket system with three sealing levels
- steel reinforcements inside the profiles ensure stability even of large window elements
- embedded hardware channel for the highest level of burglary protection
- double design variety in the sash
- available in countless lamination decor and also in RAL finishes



PASSIVE CL

PASSIVE CL, HL

A state-of-the-art window with excellent thermal insulation properties designed primarily for residential, energy efficient and passive homes, with 85 mm construction depth. The vinyl profile system is specially designed for triple glazing of up to 61 mm thickness. With top thermal insulation properties, it helps you save up to 35 % in terms of thermal insulation compared to 5-chamber uPVC windows.

Thanks to revolutionary technology, in the wings of new uPVC windows GEMI uses glass firmly glued to the wing. GEMI's uPVC windows are thus lighter and safer, while the profile is prevented from gradually pulling away from the glazing. Production automation guarantees higher manufacturing quality and, if the glass breaks, it is possible to replace it without damaging the seal.

1 TOP THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window
U = 0.13 (U.S/I-P) with **4-16-4-16-4** glazing.

2 BASE 6-CHAMBER PROFILE WITH SEAL

For anchoring the exterior and interior sill (a critical point for the formation of thermal bridges with profiles featuring fewer chambers).

3 CENTRAL SEAL

The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.

4 WARM CENTRAL SPACER

SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.

5 GLASSES

Revolutionary glass gluing-in technology.

TECHNICAL SPECIFICATION

U (window)	0.13 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	6
Construction depth	85 mm / 3" 3/8
Min width	15" 3/4
Min height	15" 3/4
Max width	55" 1/8
Max height	94" 1/2
Sound mitigation (R _w) based on glazing and size	34 - 47 dB



STANDARD CL



STANDARD OL+



STANDARD CL+ laminated



STANDARD OL+ with ALU clip

YOUR ADVANTAGES

- center gasket system with three sealing levels
- steel reinforcements inside the profiles ensure stability even of large window elements
- embedded hardware channel for the highest level of burglary protection 5-chamber profile
- double design variety in the sash
- concealed drainage is optional
- available in countless lamination decor and also in RAL finishes



STANDARD OL+

STANDARD CL, CL+, OL, OL+

A standard uPVC window with excellent thermal insulation properties designed primarily for reconstructions of apartment buildings. The window has a firmer structure; there is no sinking of wings. The STANDARD CL+, OL+ window features triple insulated glazing represents a higher standard for a reasonable price.

Thanks to revolutionary technology, in the wings uses glass firmly glued to the wing. GEMI's uPVC windows are thus lighter and safer, while the profile is prevented from gradually pulling away from the glazing.

1 EXCEPTIONAL THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window **U = 0.17 (U.S/I-P)** with **4-12-4-12-4** glazing.

2 BASE 5-CHAMBER PROFILE WITH SEAL

For anchoring the exterior and interior sill (a critical point for the formation of thermal bridges with profiles featuring fewer chambers).

3 CENTRAL SEAL

The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.

4 GLASSES

Revolutionary glass gluing-in technology.

TECHNICAL SPECIFICATION

U (window)	0.17 (U.S/I-P)
U (glass)	0.13 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-12-4-12-4
Profile chambers	5
Construction depth	70 mm / 2" 3/4
Min width	15" 3/4
Min height	15" 3/4
Max width	55" 1/8
Max height	94" 1/2
Sound mitigation (R _w) based on glazing and size	34-47 dB



YOUR ADVANTAGES

- a system designed for reconstructions or for apartments buildings
- construction depth 70 mm
- available finish in any RAL color or lamination



BASIC

A uPVC window featuring a straight wing with standard thermal insulation properties, designed primarily for office, production, warehouse or cellar premises, but also for apartment buildings or residential homes without high requirements for technical fittings of windows or color range.

1 HIGH THERMAL INSULATION WITH DOUBLE GLAZING

Thermal transmittance coefficient of the whole window
U = 0.22 (U.S/I-P) with **4-16-4** glazing.

2 BASE 5-CHAMBER PROFILE

For anchoring the exterior and interior sill (a critical point for the formation of thermal bridges with profiles featuring fewer chambers).

3 STEEL REINFORCEMENT

inside the profiles ensure stability even of large window elements.

TECHNICAL SPECIFICATION

U (window)	0.22 (U.S/I-P)
U (glass)	0.18 (U.S/I-P)
Glasses	2 / DGU
Glazing type	4-16-4
Profile chambers	5
Construction depth	70 mm / 2" 3/4
Min width	15" 3/4
Min height	15" 3/4
Max width	55" 1/8
Max height	94" 1/2
Sound mitigation (R _w) based on glazing and size	34-45 dB



QUADRAT W



QUADRAT W, RAL 7016



QUADRAT FB



INTEGRAL



RETRO



TERMOSCUDO

YOUR ADVANTAGES

- no worries about difficult exterior maintenance of wood windows
- hail damage is no longer an issue for your wood windows
- smaller frame allows more light and heat transmission
- easier, faster and less expensive replacement of damaged glass
- center gasket system with three sealing levels
- double design variety in the sash
- a wide range of colors and finishes for exterior aluminum and the wood on the interior



CLASSIC W

CLASSIC W/ QUADRAT W QUADRAT FB, INTEGRAL, RETRO, TERMOSCUDO

The wood profile systems are specially designed for triple glazing of up to 61 mm thickness.

1 MATERIAL PROFILE

A glued solid wood profile allows the use of insulating glass to a width of 180 inches. Available wood species: spruce larch and oak.

2 TOP THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window **U = 0.14 (U.S./I-P)** with **4-16-4-16-4** glazing.

3 ALUMINIUM CLADDING

Higher resistance to humid environments, extends the life of your window several times over and aesthetically complements your facade.

4 CENTRAL SEAL

The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.

5 WARM CENTRAL SPACER

SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.

TECHNICAL SPECIFICATION (CLASSIC W/ QUADRAT W)

U (window)	0.143 (U.S./I-P)
U (glass)	0.11 (U.S./I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Construction depth	85 mm / 3" 3/8
Min width	15" 3/4
Min height	15" 3/4
Max width	55" 1/8
Max height	94" 1/2
Sound mitigation (Rw) based on glazing and size	34 - 47 dB



GEMI ALU W 77
in RAL 7024 finish

GEMI ALU W 77
in RAL 3000 finish

YOUR ADVANTAGES

- high stability and optimal thermal insulation
- triple insulated glazing at no additional charge
- construction depth 77 mm
- U value adjustment using modular insulation zone construction
- available as a barrier-free window/door (universal design)
- color schemes with high-quality hwr powder coating
- the system-compatible door system: GEMI ALU D 92

GEMI ALU W 77

GEMI ALU W 77 is the innovative and sustainable aluminium window system solution from GEMI. The system provides the highest possible quality alongside maximum energy and cost efficiency – both during manufacture and throughout the lifetime of a product.

This innovative generation of GEMI windows is based on a profile compound consisting of aluminium half-shells, polyamide thermal breaks and a completely foam-filled insulation zone. In the case of the particularly resource-saving variation for property solutions, the bars are made entirely from renewable resources. CFC-free insulating foam in the modular insulation zone areas help protect the ozone layer.

1 TOP THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window
U = 0.13 (U.S/I-P) with 4-16-4-16-4 glazing.

2 SURFACE TREATMENT HWR

Ensures long-lasting color duration of the profiles.

3 CENTRAL SEAL

The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.

4 WARM CENTRAL SPACER

SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.

5 100% FOAM FILLING OF THE PROFILES

Advantageous for the temperature and insulation.

TECHNICAL SPECIFICATION

U (window)	0.13 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	4
Construction depth	77 mm / 3" 1/16
Min width	20" 1/2
Min height	18" 1/2
Max width	59" 13/16
Max height	96" 7/8
Sound mitigation (Rw) based on glazing and size	33 - 45 dB



GEMI ALU W 72
in RAL 5003 finish



GEMI ALU W 72i
hidden wing



GEMI ALU W 72i
in RAL 7022 finish



GEMI ALU W 72 i
in RAL 8008 finish

YOUR ADVANTAGES

- high stability and optimal thermal insulation
- triple insulated glazing at no additional charge
- construction depth 72 mm
- U value adjustment using modular insulation zone construction
- available as a barrier-free window/door (universal design)
- color schemes with high-quality hwr powder coating
- the system-compatible door system: GEMI W D 72



GEMI ALU W 72

GEMI ALU W 72 / 72i

GEMI ALU W 72 is the innovative and sustainable aluminium window system solution from GEMI. The system provides the highest possible quality alongside maximum energy and cost efficiency – both during manufacture and throughout the lifetime of a product.

This innovative generation of GEMI windows is based on a profile compound consisting of aluminium half-shells, polyamide thermal breaks and a completely foam-filled insulation zone. In the case of the particularly resource-saving variation for property solutions, the bars are made entirely from renewable resources. CFC-free insulating foam in the modular insulation zone areas help protect the ozone layer.

1 TOP THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window
U = 0.17 (U.S/I-P) with **4-16-4-16-4** glazing.

2 SURFACE TREATMENT HWR

Ensures long-lasting color duration of the profiles.

3 CENTRAL SEAL

The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.

4 WARM CENTRAL SPACER

SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.

5 100% FOAM FILLING OF THE PROFILES

Advantageous for the temperature and insulation.

TECHNICAL SPECIFICATION

U (window)	0.17 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	4
Construction depth	72 mm / 2" 13/16
Min width	20" 1/2
Min height	18" 1/2
Max width	59" 13/16
Max height	96" 7/8
Sound mitigation (Rw) based on glazing and size	33 - 48 dB



GEMI ALU W 65
with tripple glazing

GEMI ALU W 65
in RAL 7006 finish

YOUR ADVANTAGES

- a system designed for reconstructions or for apartments buildings
- construction depth 65 mm
- available finish in any RAL color



GEMI ALU W 65
in RAL 1013 finish

GEMI ALU W 65

The GEMI ALU W 65 system stands for exceptionally economical window solutions. It also fulfills the highest quality demands: with 3-chamber profiles and the tried-and-tested fittings, the system is equipped to a high standard and also impresses with regard to sound insulaton and burglary resistance.

This generation of GEMI windows is based on profile compound consisting of aluminium half-shells and polyamide thermal breaks. In the case of the particularly resource-saving variation for property solutions, the bars are made entirely from renewable resources.

- 1 DOUBLE INSULATED GLAZING**
as standard at no additional charge
U = 0.29 (U.S/I-P) with **4-16-4** glazing.
- 2 3-CHAMBER PROFILE**
Providing high stability and optimal thermal insulation.
- 3 CENTRAL SEAL**
The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.
- 4 WARM CENTRAL SPACER**
It significantly reduces thermal bridges and increases the thermal insulation properties of the window.

TECHNICAL SPECIFICATION

U (window)	0.29 (U.S/I-P)
U (glass)	0.18 (U.S/I-P)
Glasses	2 / DGU
Glazing type	4-16-4
Profile chambers	3
Construction depth	65 mm / 2" 9/16
Min width	20" 1/2
Min height	18" 1/2
Max width	59" 13/16
Max height	96" 7/8
Sound mitigation (Rw) based on glazing and size	33 - 47 dB



Doors

"A stunning first impression is not the same thing as love at first sight. But surely it was an invitation to consider the matter."

Lois McMaster Bujold

Consider for a moment, that your front door is the first introduction that visitors will have to your home or place of business. What message are you sending... or inadvertently not sending? With the strength and beauty of a GEMI entry system, you can be assured that you're putting your best foot forward. With a selection of bi-folding, Lift & Slide, solid and glazed entry systems, GEMI has a form for all functions backed by the product durability and performance quality you've come to expect from European engineering.

- GEMI entry doors allow you the opportunity to create custom tailored door for your project to fit all of your needs.
- Whether for practicality or elegance, from wood to vinyl, GEMI will custom design your door package exactly the way you envision it.
- GEMI's fully customizable entrance system designs can meet the most stringent architectural review committee requirements.
- Multi-point European locking systems allow you to customize the level of security desired for the protection of your home or place of business.
- GEMI has incorporated time tested methodologies and incorporated steel, aluminum and composite material to construct a window and door detail deserving of the homes they go in.
- GEMI provides a warranty and post-warranty service on the entire line of products so that you can feel confident in your investment.

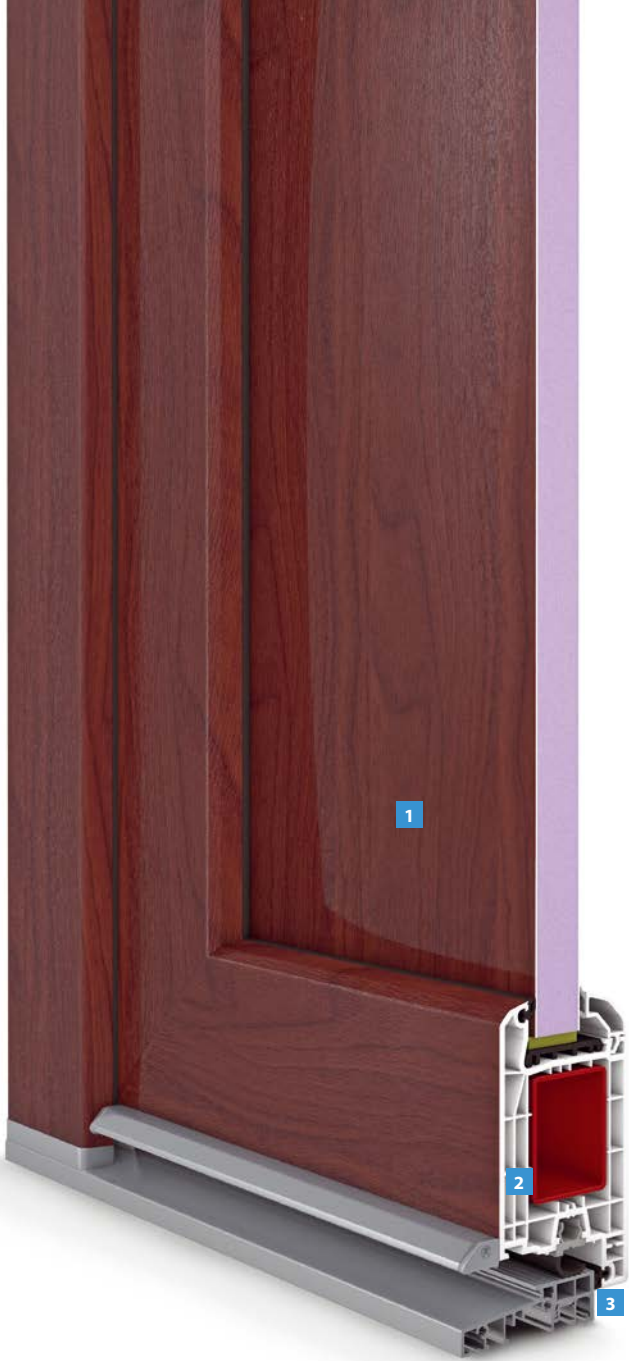


STANDARD D
with foam filling

STANDARD D
with double glazing, laminating

YOUR ADVANTAGES

- optimal thermal insulation
- construction depth 70 mm
- double seals
- optional double/triple glazing
- custom color finish or laminating
- a wide range of door fillings
PERITO and GAVA PLAST



STANDARD D

A standard uPVC doors with excellent thermal insulation properties designed primarily for reconstructions of apartment buildings.

- 1 OPTIONAL DOOR PANELS**
or optional double/triple glazing
- 2 GREAT THERMAL INSULATION**
4-chamber wing profile and 5-chamber frame profile provide excellent thermal insulation properties
- 3 THE INNER CIRCUMFERENTIAL SEAL**
together with the outer seal, provide protection against noise and weathering

TECHNICAL SPECIFICATION

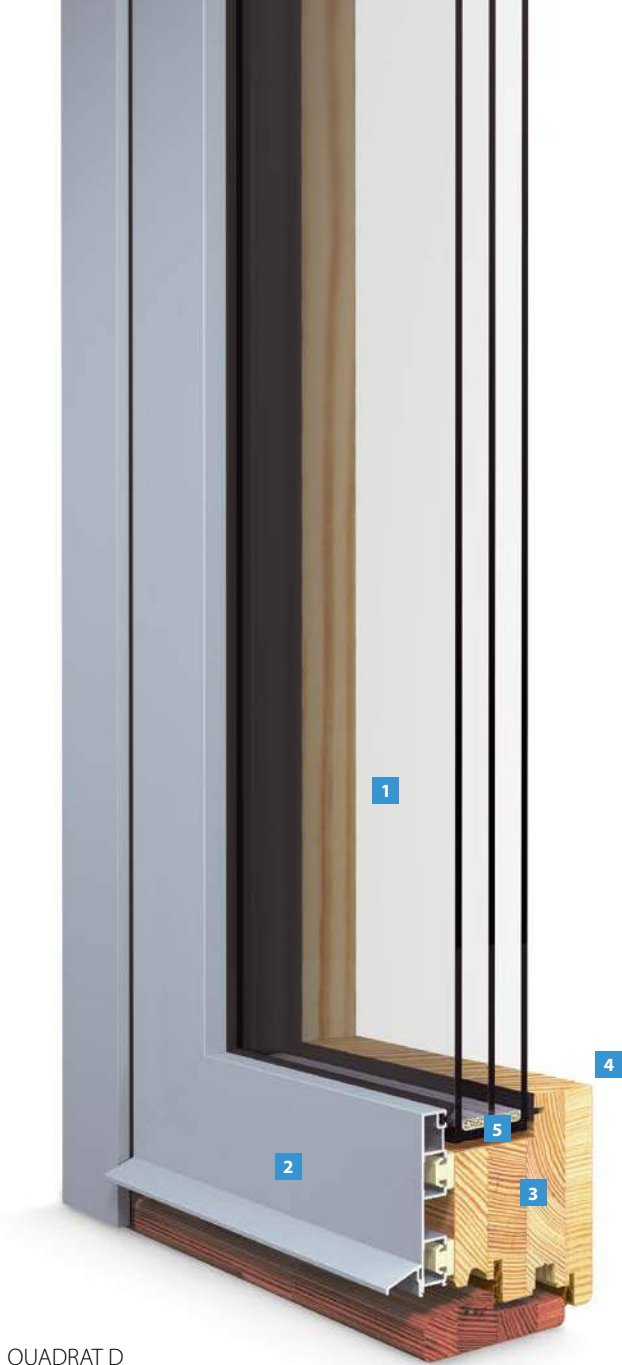
U (door)	0.27 (U.S/I-P)
U (glass)	0.18 (U.S/I-P)
Glasses	2 / DGU
Glazing type	4-16-4
Profile chambers	5
Construction depth	70 mm / 2" 3/4
Min width	15" 3/4
Min height	78" 3/4
Max width	43" 5/16 - wing
Max height	96" 7/8
Sound mitigation (Rw) based on glazing and size	34-47 dB



QUADRAT D
with retractable insect screen

QUADRAT D
in RAL 3000 finish

- YOUR ADVANTAGES**
- no worries about difficult exterior maintenance of wood windows
 - hail damage is no longer an issue for your wood windows
 - smaller frame allows more light and heat transmission
 - easier, faster and less expensive replacement of damaged glass
 - center gasket system with three sealing levels
 - double design variety in the sash
 - a wide range of colors and finishes for exterior aluminum and the wood on the interior



QUADRAT D

CLASSIC D/ QUADRAT D

The wood profile system is specially designed for triple glazing of up to 61 mm thickness.

- MATERIAL PROFILE**
A glued solid wood profile allows the use of insulating glass to a width of 180 inches. Available door species: spruce larch and oak.
- TOP THERMAL INSULATION WITH TRIPLE GLAZING**
Thermal transmittance coefficient of the whole door
U = 0.14 (U.S/I-P) with **4-16-4-16-4** glazing.
- ALUMINIUM CLADDING**
Higher resistance to humid environments, extends the life of your door several times over and aesthetically complements your facade.
- CENTRAL SEAL**
The central seal greatly enhances the thermal insulation properties of the door, protecting the fittings against weathering and providing high water resistance.
- WARM CENTRAL SPACER**
SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the door.

TECHNICAL SPECIFICATION

U (door)	0.143 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Construction depth	85 mm / 3" 3/8
Min width	15" 3/4
Min height	15" 3/4
Max width	59" 13/16
Max height	96" 7/8
Sound mitigation (Rw) based on glazing and size	34-47 dB



GEMI ALU D 92
with triple glazing

GEMI ALU D 92
structural pain

YOUR ADVANTAGES

- perfect solution for passive buildings
- high stability and optimal thermal insulation
- innovative barrierless treshold with three insulation stages
- triple insulated glazing at no additional charge
- construction depth 92 mm
- U value adjustment using modular insulation zone construction
- color schemes with high-quality hwr powder coating
- the system-compatible window system: GEMI W 77

GEMI ALU D 92

Top-quality materials, technical solutions fine-tuned to the smallest detail and a wide variety of design options distinguish the efficient technology available from GEMI.

The GEMI D 92 front door system is characterised by intuitive operation and adaptive design. The system offers a multitude of design options with its modular structure.

Thanks to three innovative production stages, GEMI door systems offer effective protection against the bi-metal effect. This is when large temperature differences between the interior and exterior cause deformations on the casement frame.

The use of GEMI system fittings guarantees additional system reliability and warranty.



1 INNOVATIVE REVERSIBLE INFILL PANEL ATTACHMENT

The system offers a multitude of design options with its modular structure with optional triple glazing or different types of door panels

2 HIGHLY INSULATED 3-CHAMBER PROFILE SYSTEM

Sealing technology for frames and casements with glued corner seal frames to ensure the highest requirements are met for element tightness.

3 100% FOAM FILLING OF THE PROFILES

Advantageous for the temperature and insulation.

4 TRESHOLD SOLUTION

Innovative barrierless treshold with three insulation stages.

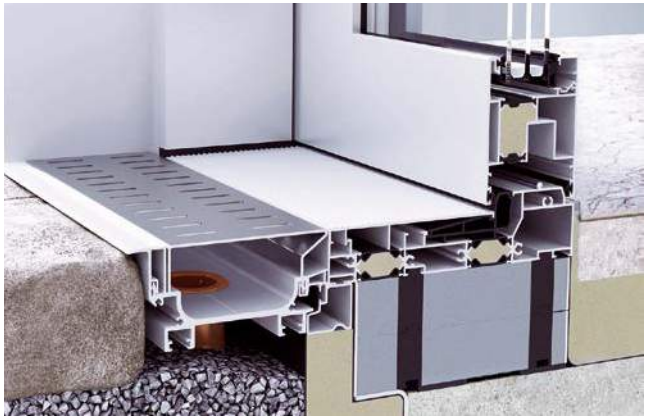
TECHNICAL SPECIFICATION

U (door)	0.17 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	3
Construction depth	92 mm / 3" 5/8
Min width	15" 3/4 - wing
Min height	78" 3/4
Max width	58" 1/4 - wing
Max height	101" 9/16
Sound mitigation (Rw) based on glazing and size	34-47 dB



GEMI ALU D 72
in RAL 7024 finish

GEMI ALU D 72
infill panel with lamination



The deliberately redesigned water drainage solution allows you to create barrier-free thresholds while protecting the exterior part from standing water and the interior from moisture.

YOUR ADVANTAGES

- high stability and optimal thermal insulation
- center gasket system with three sealing levels
- triple insulated glazing at no additional charge
- construction depth 72 mm
- U value adjustment using modular insulation zone construction
- available as a barrier-free window/door (universal design)
- color schemes with high-quality hwr powder coating
- the system-compatible door system: GEMI W 72



GEMI ALU D 72

Front door system with exceptional quality and features. The GEMI ALU D 72 is characterized by intuitive operation and adaptive design. The best materials, highest functionality, sophisticated design options and maximum flexibility are the solid foundation for individual pieces that are always customized and manufactured exclusively.

GEMI front door systems offer the greatest possible variety for a multitude of infill types and elaborate system solutions new builds and renovations, whether exclusive and modern or timelessly elegant with a modern or traditional appearance. The use of GEMI system fittings guarantees additional system reliability and warranty.

1 EXCEPTIONAL THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole door
U = 0.17 (U.S/I-P) with 4-12-4-12-4 glazing.

2 HIGHLY INSULATED 3-CHAMBER PROFILE SYSTEM

Sealing technology for frames and casements with glued corner seal frames to ensure the highest requirements are met for element tightness.

3 100% FOAM FILLING OF THE PROFILES

Advantageous for the temperature and insulation.

4 TRESHOLD SOLUTION

Innovative barrierless treshold with three insulation stages.

TECHNICAL SPECIFICATION

U (door)	0.20 (U.S/I-P)
U (glass)	0.13 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-12-4-12-4
Profile chambers	3
Construction depth	72 mm / 2" 13/16
Min width	15" 3/4 - wing
Min height	78" 3/4
Max width	58" 1/4 - wing
Max height	101" 9/16
Sound mitigation (Rw) based on glazing and size	34-47 dB



GEMI ALU D 65
in RAL 1015 finish

GEMI ALU D 65
infill panel in RAL 3000 finish

YOUR ADVANTAGES

- a system designed for reconstructions or for apartments buildings
- construction depth 65 mm
- double insulated glazing as standard at no additional charge
- suitable in combination with GEMI STANDARD uPVC windows
- color finish in any lamination and also in RAL finish

GEMI ALU D 65

Economical door systems for meeting high demands in terms of operating comfort and burglary resistance. The GEMI ALU D 65 door system offers economical solutions for doors that open inwards and outwards, including automatic door systems and emergency exit doors. The 3-chamber profiles provide the best possible system security with the proven system fittings, combined with GEMI system components.



- 1 DOUBLE INSULATED GLAZING**
as standard at no additional charge **U = 0.29 (U.S/I-P)** with **4-16-4** mm glazing.
- 2 3-CHAMBER PROFILE**
Providing high stability and optimal thermal insulation.
- 3 CENTRAL SEAL**
The central seal greatly enhances the thermal insulation properties of the window, protecting the fittings against weathering and providing high water resistance.
- 4 WARM CENTRAL SPACER**
It significantly reduces thermal bridges and increases the thermal insulation properties of the window.

TECHNICAL SPECIFICATION

U (door)	0.34 (U.S/I-P)
U (glass)	0.18 (U.S/I-P)
Glasses	2 / DGU
Glazing type	4-16-4
Profile chambers	3
Construction depth	65 mm / 2" 9/16
Min width	15" 3/4 - wing
Min height	78" 3/4
Max width	58" 1/4 - wing
Max height	101" 9/16
Sound mitigation (Rw) based on glazing and size	34-45 dB



GEMI ALU D 50
in RAL finish

GEMI ALU D 50

YOUR ADVANTAGES

- opening types: single- and double-casement inward and outward opening swing doors; push-pull doors, single- and double-casement all-glass doors, automatic doors
- construction depth 50 mm
- color design with high-quality hwr powder coating

GEMI ALU D50

Efficient solutions for door and dividing elements for indoor use. GEMI ALU D 50 enables a variety of opening types for attractive, highly functional door and dividing wall systems, particularly in indoor areas. Wide range of designs provided by variable, flush exterior views.



GEMI ALU D 50
with double glazing

1 ONE OR DOUBLE GLAZING

2 1-CHAMBER PROFILE WITH SEAL

Providing high stability and optimal sound insulation.

3 CASEMENT FRAME SEALING

Low floor seal or with a barrier-free flat dust and brush seal.

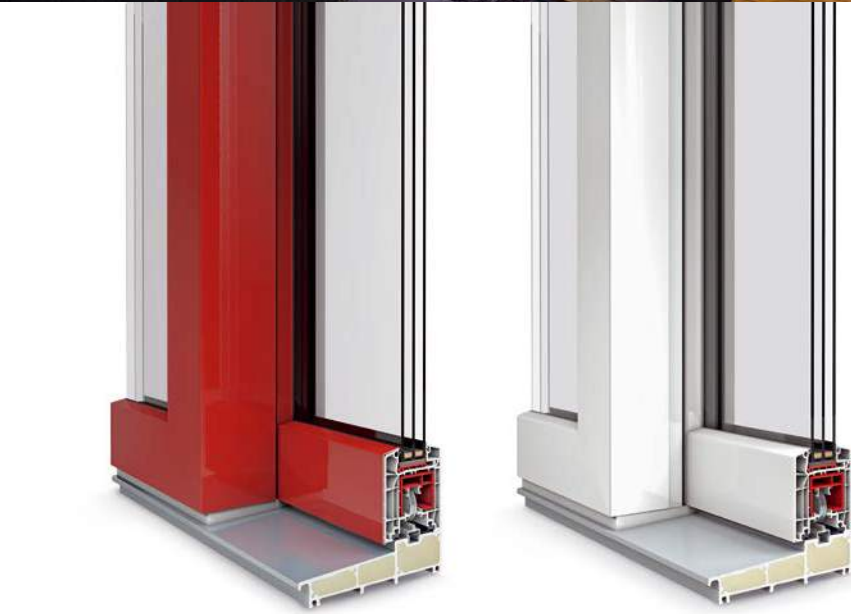
TECHNICAL SPECIFICATION

U (door)	0.36 (U.S/I-P)
U (glass)	0.18 (U.S/I-P)
Glasses	2 / DGU
Glazing type	4-16-4
Profile chambers	1
Construction depth	50 mm / 1" 31/32
Min width	15" 3/4 - wing
Min height	78" 3/4
Max width	58" 1/4 - wing
Max height	101" 9/16
Sound mitigation (Rw) based on glazing and size	34-45 dB



Sliding doors

Designed for more heavy glazing and for all purposes where architect or end user wants quick, simple and no-barrier-like opening of glazed wall as for example in summer between swimming pool and open air terrace. Easy handling, simple, easy manipulation and reliability of these elements is given by the time of using these doors.



GEMI SD 85
with ALU clip, in RAL 3000 finish

GEMI SD 85

YOUR ADVANTAGES

- uPVC profile with excellent thermal insulation properties
- tripple glazing of up to 51 mm thickness
- high water resistance and coolant insulation
- ALU clip finish in any color or selected lamination



GEMI SD 85

Economical uPVC door systems for meeting high demands in terms of operating comfort and burglary resistance. The GEMI SD 85 door system offers economical solutions for doors that open inwards and outwards, including automatic door systems and emergency exit doors. The 3-chamber profiles provide the best possible system security with the proven system fittings, combined with GEMI system components.

1 EXCEPTIONAL THERMAL INSULATION WITH TRIPLE GLAZING

Thermal transmittance coefficient of the whole window
U = 0.17 (U.S/I-P) with **4-16-4-16-4** glazing.

2 BASE 4-CHAMBER PROFILE

For anchoring the exterior and interior sill (a critical point for the formation of thermal bridges with profiles featuring fewer chambers).

3 WARM CENTRAL SPACER

SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.

4 ZERO CLEARANCE LIFT AND SLIDE DOORS

TECHNICAL SPECIFICATION

U (doors)	0.17 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	4
Construction depth	197 mm / 7" 3/4
Max height	2800 mm / 110" 15/64
Sound mitigation (Rw) based on glazing and size	34-47 dB



QUADRAT SD
with retractable insect screen
in RAL 8019 finish

QUADRAT SD
with retractable insect screen
in RAL 1015 finish

YOUR ADVANTAGES

- no worries about difficult exterior maintenance of wood windows
- hail damage is no longer an issue for your wood windows
- smaller frame allows more light and heat transmission
- easier, faster and less expensive replacement of damaged glass
- center gasket system with three sealing levels
- double design variety in the sash
- a wide range of colors and finishes for exterior aluminum and the wood on the interior

QUADRAT SD

The wood profile system is specially designed for triple glazing of up to 61 mm thickness.



- 1 MATERIAL PROFILE**
A glued solid wood profile allows the use of insulating glass to a width of 180 inches. Available door species: spruce larch and oak.
- 2 TOP THERMAL INSULATION WITH TRIPLE GLAZING**
Thermal transmittance coefficient of the whole window **U = 0.14 (U.S/I-P)** with **4-16-4-16-4** glazing.
- 3 ALUMINIUM CLADDING**
Higher resistance to humid environments, extends the life of your window several times over and aesthetically complements your facade.
- 4 WARM CENTRAL SPACER**
SGG Swisspacer V significantly reduces thermal bridges and increases the thermal insulation properties of the window.
- 5 INSECT NETS (OPTIONAL)**

TECHNICAL SPECIFICATION

U (doors)	0.143 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Construction depth	274 mm / 10" 25/32
Max width	3300 mm / 129" 59/64
Max height	3300 mm / 129" 59/64
Sound mitigation (Rw) based on glazing and size	34-47 dB



GEMI ALU SD 77HI
in RAL 7012 finish

GEMI ALU SD 77SL



The deliberately redesigned water drainage solution allows you to create barrier-free thresholds while protecting the exterior part from standing water and the interior from moisture.

- YOUR ADVANTAGES**
- high stability and optimal thermal insulation
 - triple insulated glazing at no additional charge
 - construction depth 77 mm
 - U value adjustment using modular insulation zone construction
 - available as a barrier-free window/door (universal design)
 - color schemes with high-quality hwr powder coating



ALU SD 77SL

ALU SD 77HI/ 77SL

Versatility is our strength: The GEMI ALU SD 77 is a modular profile system with a modern design which meets the highest structural requirements. It boasts an array of profile view widths, is compatible with other GEMI systems and offers a virtually limitless selection of surfaces. The GEMI SD 77 also offers multi-track opening types and barrier-free systems.

- 1 TOP THERMAL INSULATION WITH TRIPLE GLAZING**
Thermal transmittance coefficient of the whole window **U = 0.17 (U.S/I-P)** with **4-16-4-16-4** glazing.
- 2 HIGH THERMAL INSULATION**
Special geometry of profiles and removal of insulating chambers PUR foam significantly eliminates thermal bridges and prevents thermal losses.
- 3 SURFACE TREATMENT HWR**
Ensures long-lasting color duration of the profiles.
- 4 INTEGRATED GLAZING**
In version SD 77SL, it is possible to lock a fixed wing without visible frame.
- 5 NO OBSTACLES**
Barrier-free threshold with high degree of insulation and tightness.

TECHNICAL SPECIFICATION

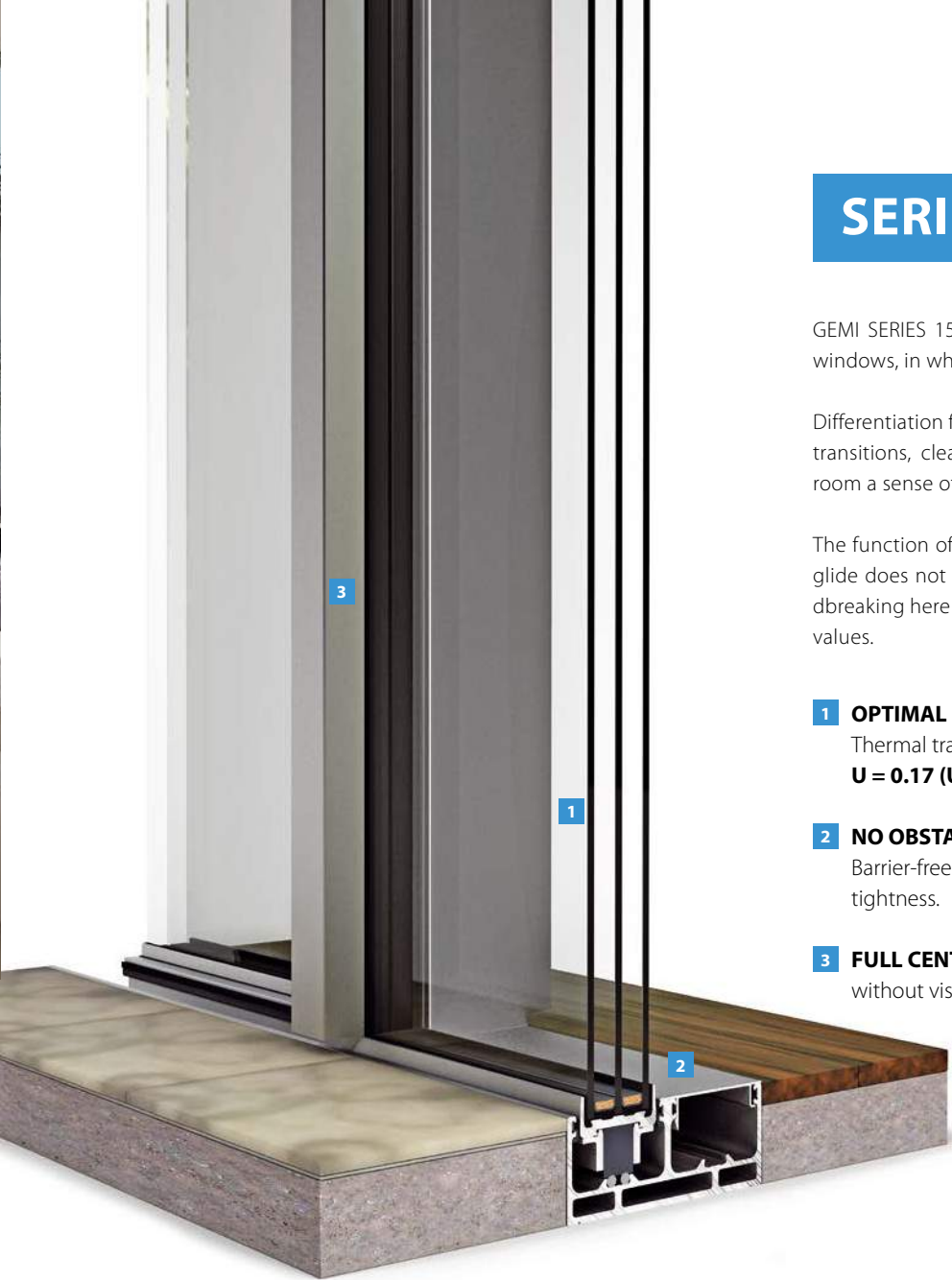
U (doors)	0.17 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Profile chambers	3
Construction depth	202 mm / 7" 61/64
Max height	3000 mm / 118" 1/9
Sound mitigation (Rw) based on glazing and size	33 - 45 dB



SERIES X
1-rail, threshold below

SERIES X
1-rail, threshold above
Series X - the first large-format, frameless sliding window system with a unique lowering stroke threshold for absolute accessibility

- YOUR ADVANTAGES**
- excellent running characteristics due to stainless steel wheels $d = 32\text{mm}$
 - high thermal insulation capability
 - unique look thanks to clean lines and edges.
 - tripple glazing of up to 52 mm (system 150) / 60 mm (system X) thickness
 - constrution depth 150 mm (system 150) / 200 mm (system X)
 - sleeper-free and barrier-free
 - robust roller fitting for large and heavy wings
 - color schemes with high-quality hwr powder coating



SERIES 150
2-rail

SERIES 150 / SERIES X

GEMI SERIES 150 / X is a unique glass façade system with sliding windows, in which the frame is flush with the wall, ceiling and floor.

Differentiation from inside and outside is a thing of the past. Flowing transitions, clean lines and maximum frame reduction give every room a sense of freedom.

The function of the aesthetics is in no way inferior. Because SOREG-glide does not only convince with its extraordinary design - ground-breaking here are the excellent building physics properties and top values.

- 1 OPTIMAL INSULATION WITH TRIPLE GLAZING**
Thermal transmittance coefficient of the whole window
 $U = 0.17$ (U.S/I-P) with **4-16-4-16-4** glazing.
- 2 NO OBSTACLES**
Barrier-free threshold with high degree of insulation and tightness.
- 3 FULL CENTER PROFILE**
without visible attachment points.

TECHNICAL SPECIFICATION

U (window)	0.17 (U.S/I-P)
U (glass)	0.11 (U.S/I-P)
Glasses	3 / TGU
Glazing type	4-16-4-16-4
Construction depth (system 150 / system X)	150 mm / 5" 29/32 / 200 mm / 7" 7/8
Max width (sliding / fixed elements)	2800 mm / 110" 15/64 / 3600 mm / 141" 47/64
Max height	4000 mm / 157" 31/64
Sound mitigation (Rw) based on glazing and size	42 dB

DESIGN

RAL COLORS

All GEMI windows and doors are available in any RAL color.
The coating process offers:

- Intensive, fade-resistant colors
- Comprehensive RAL color palette
- Various gloss levels
- Robust and highly weather resistant
- Easy to clean
- Sustainable and environmentally-friendly

RAL 1000	RAL 1001	RAL 1002	RAL 1003	RAL 1004	RAL 1005	RAL 1006	RAL 1007	RAL 1011	RAL 1012
RAL 1013	RAL 1014	RAL 1015	RAL 1016	RAL 1017	RAL 1018	RAL 1019	RAL 1020	RAL 1021	RAL 1023
RAL 1024	RAL 1026	RAL 1027	RAL 1028	RAL 1032	RAL 1033	RAL 1034	RAL 1035	RAL 1036	RAL 1037
RAL 2000	RAL 2001	RAL 2002	RAL 2003	RAL 2004	RAL 2005	RAL 2007	RAL 2008	RAL 2009	RAL 2009
RAL 2012	RAL 2013	RAL 3000	RAL 3001	RAL 3002	RAL 3003	RAL 3004	RAL 3005	RAL 3007	RAL 3009
RAL 3011	RAL 3012	RAL 3013	RAL 3014	RAL 3015	RAL 3016	RAL 3017	RAL 3018	RAL 3020	RAL 3022
RAL 3024	RAL 3026	RAL 3027	RAL 3028	RAL 3031	RAL 3032	RAL 3033	RAL 4001	RAL 4002	RAL 4003
RAL 4004	RAL 4005	RAL 4006	RAL 4007	RAL 4008	RAL 4009	RAL 4010	RAL 4011	RAL 4012	RAL 5000
RAL 5001	RAL 5002	RAL 5003	RAL 5004	RAL 5005	RAL 5007	RAL 5008	RAL 5009	RAL 5010	RAL 5011
RAL 5012	RAL 5013	RAL 5014	RAL 5015	RAL 5017	RAL 5018	RAL 5019	RAL 5020	RAL 5021	RAL 5022
RAL 5023	RAL 5024	RAL 5025	RAL 5026	RAL 6000	RAL 6001	RAL 6002	RAL 6003	RAL 6004	RAL 6005
RAL 6006	RAL 6007	RAL 6008	RAL 6009	RAL 6010	RAL 6011	RAL 6012	RAL 6013	RAL 6014	RAL 6015
RAL 6016	RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022	RAL 6024	RAL 6025	RAL 6026
RAL 6027	RAL 6028	RAL 6029	RAL 6032	RAL 6033	RAL 6034	RAL 6035	RAL 6036	RAL 6037	RAL 6038
RAL 7000	RAL 7001	RAL 7002	RAL 7003	RAL 7004	RAL 7005	RAL 7006	RAL 7008	RAL 7009	RAL 7010
RAL 7011	RAL 7012	RAL 7013	RAL 7015	RAL 7016	RAL 7021	RAL 7022	RAL 7023	RAL 7024	RAL 7026
RAL 7030	RAL 7031	RAL 7032	RAL 7033	RAL 7034	RAL 7035	RAL 7036	RAL 7037	RAL 7038	RAL 7039
RAL 7040	RAL 7042	RAL 7043	RAL 7044	RAL 7045	RAL 7046	RAL 7047	RAL 7048	RAL 8000	RAL 8001
RAL 8002	RAL 8003	RAL 8004	RAL 8007	RAL 8008	RAL 8011	RAL 8012	RAL 8014	RAL 8015	RAL 8016
RAL 8017	RAL 8019	RAL 8022	RAL 8023	RAL 8024	RAL 8025	RAL 8028	RAL 8029	RAL 9001	RAL 9002
RAL 9003	RAL 9004	RAL 9005	RAL 9006	RAL 9007	RAL 9010	RAL 9011	RAL 9016	RAL 9017	RAL 9018
RAL 9022	RAL 9023								

LAMINATIONS

Laminate (often called "rigid thermofoil" or RTF) is a rigid vinyl film composite that meets the highest demands in terms of design, quality and performance. 3-D Laminates offer you the design flexibility of contoured shapes and seamless soft edged components. They are offered in highly realistic woodgrain patterns, metallic, abstract patterns, and solid colors in various finishes and embossing.

white 915205-168	Creamy white 137905-167	Gray 715505-167	Titanium F4367049	Silver F4361002	Aluminium F4361001	Steelblue 515005-167	Dark red 308105-167
Moss green 600505-167	Dark green 612505-167	Dark anthracite 701605-167	Chocolate brown 887505-167	Brown chestnut 809905-167	Moor oak 3167004-167	Mahogany 2097013-167	Macore 3162002-167
Pink bich F4363031	Natural oak 3118076-168	Light oak 2052090-167	Golden oak 2178001-167	Dark oak 2052089-167	Irish oak 3211005-148	Winchester 49240	Walnut 2178007-167
Stripes douglasie 3152009-167	Oregon 1192001-167	Siena PR rosso 49233	Siena PN noche 49237	Tabasco teak 2222004-195	Noce sorrento balsamico F4363042	Chery amaretto F4363043	Soft cherry 3214009-195

HIGHLY WEATHER-RESISTANT COATING

The hwr (highly weather-resistant) coating for extruded profiles matches perfectly with the two-layer thick coating for roll-formed products.

Around 200 RAL colors are available for these well coordinated systems. GEMI has the ideal solution for every construction project, for example:

- Refurbishment in traditional building style
- Modernization of older building shells
- New architectural property solutions
- HWR coating is available for all GEMI aluminium windows and doors.

CERTIFICATE

GEMl products offer the highest quality possible.
Don't just take our word for it, check out the lab results.

H72 DUAL ACTION SIDE HINGED DOOR CERTIFICATE



AAMA/WDMA/CSA 101/I.S.2/A440-11

STRUCTURAL TEST REPORT

NCTL-110-20487-2

REPORT TO:
GEMI WINDOWS AND DOORS
307 FOUR BROOKS ROAD
STAMFORD, CT 06903

REPORT NUMBER: NCTL-110-20487-2
REPORT DATE: 10/02/17
REVISION DATE: 10/06/17

PRODUCT TYPE: DUAL ACTION SIDE HINGED DOOR

SERIES/ MODEL: "H72"

Professionals in the Science of Testing
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Florida Building Code TAS 201-94
Florida Building Code TAS 202-94
Florida Building Code TAS 203-94

STRUCTURAL, IMPACT & CYCLING PERFORMANCE TEST REPORT

NCTL-110-20487-1

REPORT TO:
GEMI WINDOWS AND DOORS
307 FOUR BROOKS ROAD
STAMFORD, CT 06903

REPORT NUMBER: NCTL-110-20487-1
REPORT DATE: 10/02/17
REVISION DATE: 10/06/17

PRODUCT TYPE: DUAL ACTION SIDE HINGED DOOR

SERIES/ MODEL: "H72"

Professionals in the Science of Testing
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Florida Building Code TAS 201-94
Florida Building Code TAS 202-94
Florida Building Code TAS 203-94

STRUCTURAL, IMPACT & CYCLING TEST REPORT SUMMARY

RENDERED TO:

GEMI Windows and Doors
307 Four Brooks Road
Stamford, CT 06903

PRODUCT TYPE: Dual Action Side Hinged Door
SERIES/ MODEL: "H72"

SUMMARY OF RESULTS	
Specimen 1	TAS 202 + 60.0 psf - 80.0 psf
Specimens 2, 3, 4	TAS 201/203 + 60.0 psf - 80.0 psf
Specimen 1	
Air Infiltration per ASTM E283 in accordance with TAS 202-94	
Infiltration: 0.02 cfm/ft ²	
Specimen 1	
Water Penetration Resistance per ASTM E331 in accordance with TAS 202-94	
30.0 psf - Passed/No water penetration	
Specimen 1	
Static Air Pressure per ASTM E330 in accordance with TAS 202-94	
Design Load Pressure +/- 60.0 psf	
Overload/ Structural Load Pressure +/- 90.0 psf	
Forced Entry Resistance per ASTM F588 in accordance with TAS 202-94	
Passed - Grade 10	
Specimens 2, 3, 4	
Large Missile Impact/ Pressure Loading in accordance with TAS 201-94 and TAS 203-94	
Impacts rejected without allowing penetration and the product shows no resultant failure or distress	

Test Completion Date: 09/22/17
Revision Date: 10/06/17
Reference must be made to NCTL Report Number NCTL-110-20487-1 report dated 10/02/17 for complete test sample description and data.
National Certified Testing Laboratories
Jay Leader
Technician

Professionals in the Science of Testing
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ASTM E1996-2002, 2004, 2006, 2009, 2012a & 2014a
ASTM E1886-2002, 2004, 2005 & 2013a

IMPACT & CYCLING TEST REPORT SUMMARY

RENDERED TO:

GEMI Windows and Doors
307 Four Brooks Road
Stamford, CT 06903

PRODUCT TYPE: Dual Action Side Hinged Door
SERIES/ MODEL: "H72"

On September 20, 2017, Gemi Windows and Doors completed impact testing at National Certified Testing Laboratories in York, PA. All tests were performed in full accordance with ASTM E1886 and ASTM E1996 with no deviations (Ref: NCTL-110-20487-3).

Tested Size:	Overall 1016 mm (40") wide by 2438 mm (96") high
Glazing Configuration:	Interior: (2) Lites of 3 mm (0.115") nominal annealed glass Exterior: (2) Lites of 5 mm (0.190") nominal annealed glass separated by a 2.25 mm (0.090") thick PVB interlayer
Level of Protection:	Basic Protection / Enhanced Protection
Wind Zone:	Wind Zone 4 - greater than 140 mph (58 m/s)
Assembly Height Above Ground Level:	Less than or equal to 9.1 m (30') basic protection Greater than 9.1 m (30') enhanced protection
Impact Missile Used:	Missile D
Positive Design Pressure:	+ 60.0 psf
Negative Design Pressure:	- 60.0 psf

Reference must be made to NCTL Report Number NCTL-110-20487-3 dated 10/03/17 for complete test sample description and data.
Revision Date: 10/06/17

National Certified Testing Laboratories
Jay Leader
Technician

Professionals in the Science of Testing
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ASTM E1996-2002, 2004, 2006, 2009, 2012a & 2014a
ASTM E1886-2002, 2004, 2005 & 2013a

IMPACT & CYCLING PERFORMANCE TEST REPORT

NCTL-110-20487-3

REPORT TO:
GEMI WINDOWS AND DOORS
307 FOUR BROOKS ROAD
STAMFORD, CT 06903

REPORT NUMBER: NCTL-110-20487-3
REPORT DATE: 10/02/17
REVISION DATE: 10/06/17

PRODUCT TYPE: DUAL ACTION SIDE HINGED DOOR

SERIES/ MODEL: "H72"

Professionals in the Science of Testing
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GEMI WINDOWS AND DOORS
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