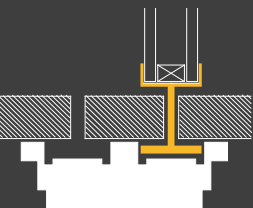
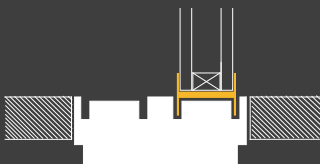
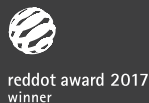


GENERAL  
TECHNICAL  
INFORMATION



CLASSIC

Standard sliding system, with excellent performance levels in watertightness, air permeability, resistance to wind loads and also thermal insulation.

The system uses a toughened glass that allows an optimized resistance, with surfaces up to 18m² per glazed pane. Vertical profiles with only 20mm thickness prepared for a superior thermal, water and air permeability performances. Exclusive sliding system with vertical double rollers, for a smooth hand opening with no effort needed.

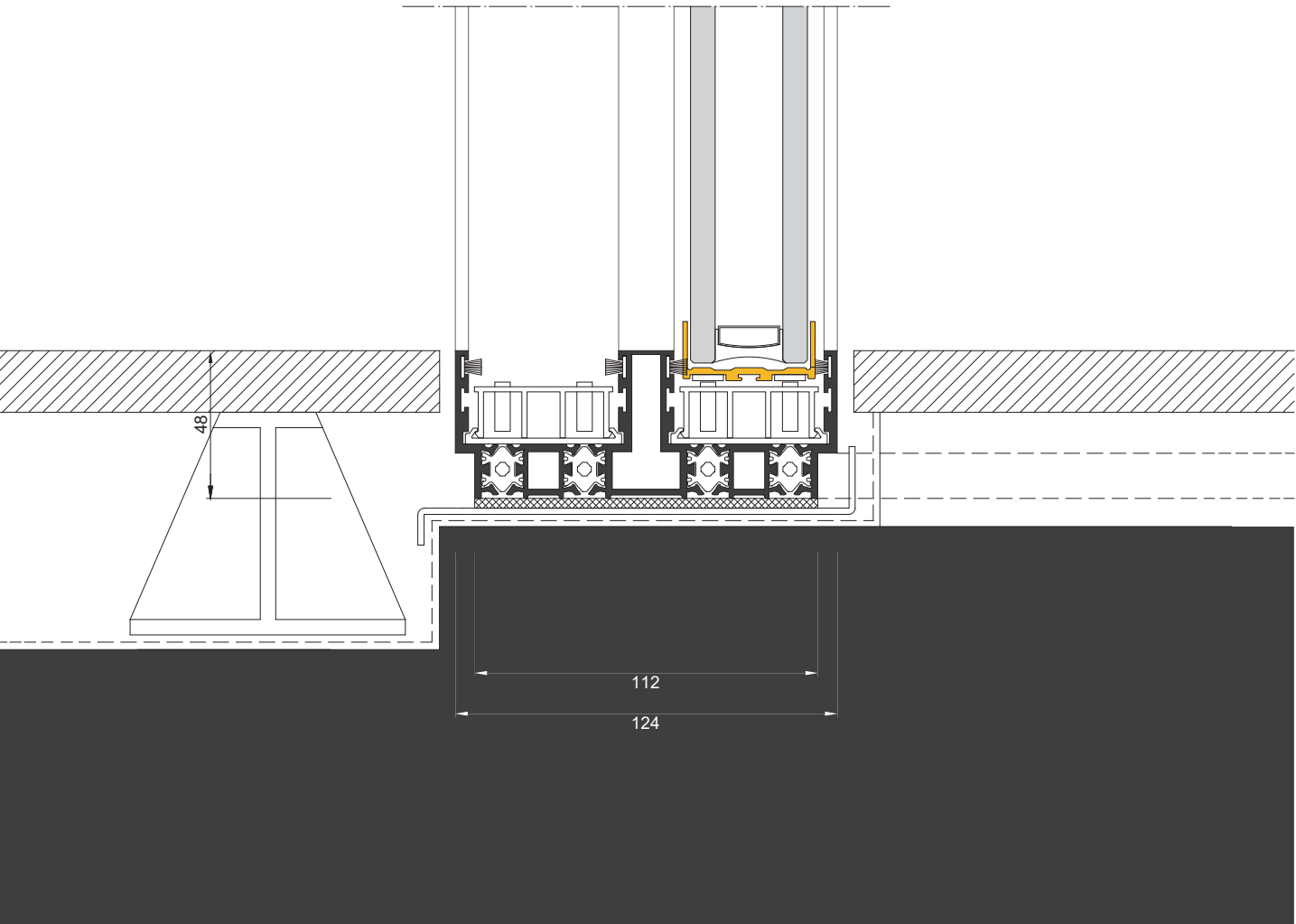
- Watertightness**  
ISO EN 12208 + ISO EN 1027
- Air Permeability**  
ISO EN 12207 + ISO EN 1026
- Wind Resistance**  
ISO EN 12210 + ISO EN 12211
- Impact Resistance**  
ISO EN 12600 + ISO EN 1630

- Acoustic Insulation**  
ISO EN 10140 + ISO EN 717
- Security**  
ISO EN 1627
- Thermal transmittance**  
Uw

**Rw: 38 db**

**RC2:(WK2)**

Calculation module 4.60 x 3.00  
ISO EN 10077-1 + ISO EN 10077-2 (up to)  
up to Uw 1.0 W/ m² K



PLUS

**PLUS** is an exclusive minimal window system, characterized by an innovative system (bottom and top position), with all the rim profiles perfectly flushed to the construction materials. It offers an outstanding performance in water tightness, air permeability and resistance to wind loads.

**PLUS** is also equipped with an exclusive anti-freeze system (bottom position), which is optional.

**PLUS** has a hidden high security lock on the handle position. A slim and elegant handle equipped with a hidden lock system, provides the window a streamlined appearance, leading to the limit the minimal essence, allowing also an improved level of security, combined with an intuitive and simple user experience.

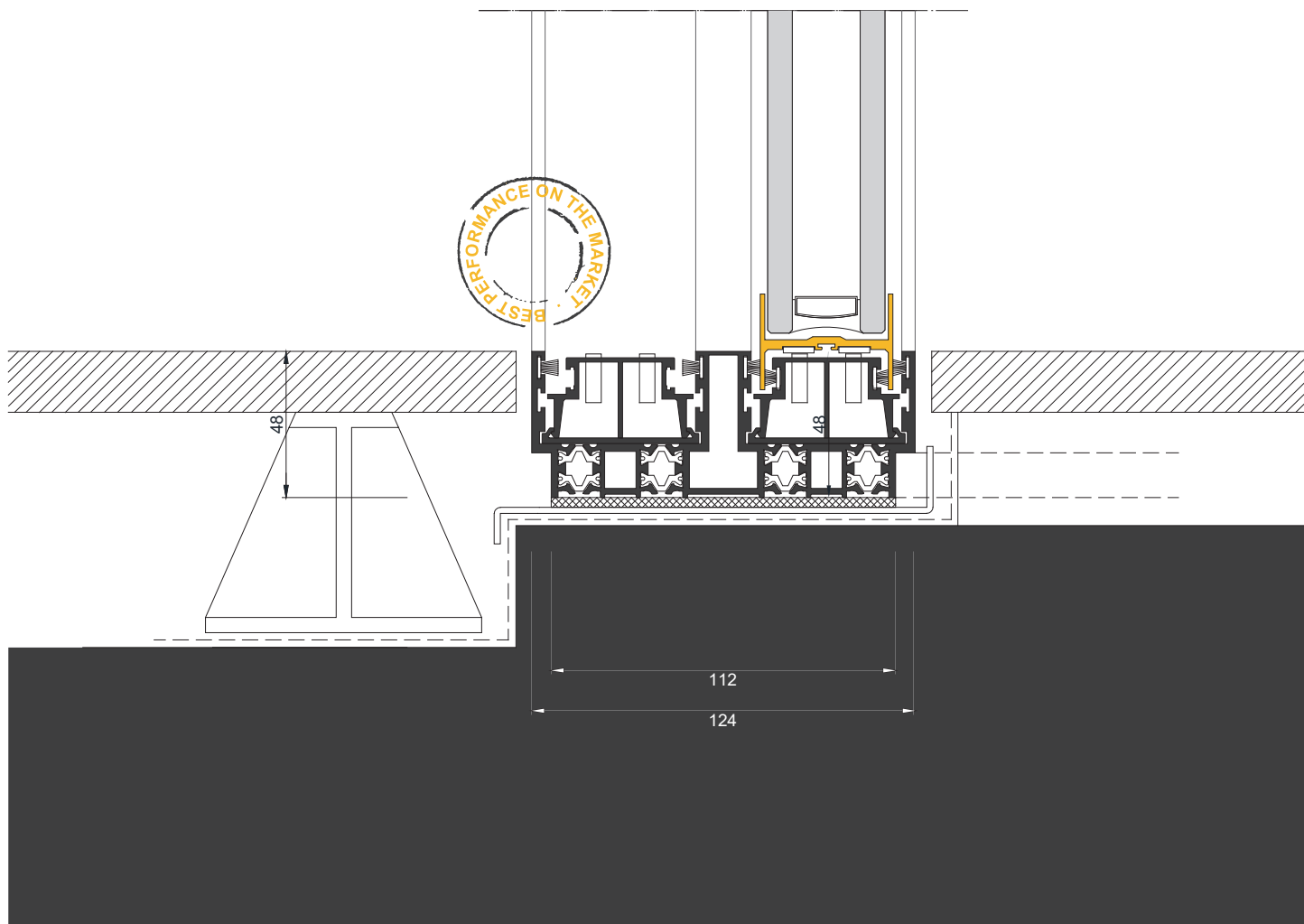
- Watertightness**  
ISO EN 12208 + ISO EN 1027
- Air Permeability**  
ISO EN 12207 + ISO EN 1026
- Wind Resistance**  
ISO EN 12210 + ISO EN 12211
- Impact Resistance**  
ISO EN 12600 + ISO EN 1630

- Acoustic Insulation**  
ISO EN 10140 + ISO EN 717
- Security**  
ISO EN 1627
- Thermal transmittance**  
Uw

**Rw: 42db**

**RC2:(WK2)**

Calculation module 4.60 x 3.00  
ISO EN 10077-1 + ISO EN 10077-2 (up to)  
up to Uw 1.0 W/ m² K



FUSION 1.0

**FUSION** offers you a system which is completely built into the finished materials, as if the window had merged with the building to become a single entity. **FUSION** system incorporates rim profiles with reinforced binding polyamides and toughened glass, providing better thermal and structural performance. **FUSION** system is innovative, and is the only existing system which is completely built-in on all four sides of the frame, allowing the perfect fusion and continuity between interior and exterior space.

In addition, the **FUSION** system incorporates a gutter capable of channeling a large amount of rainwater even in extreme situations.

This system has achieved exceptional results on leakage tests, with an e1650 class exceptional, (7 classes above class 9a) according to en 12208 + iso en 1027.

- Watertightness**  
ISO EN 12208 + ISO EN 1027
- Air Permeability**  
ISO EN 12207 + ISO EN 1026
- Wind Resistance**  
ISO EN 12210 + ISO EN 12211
- Impact Resistance**  
ISO EN 12600 + ISO EN 1630

- Acoustic Insulation**  
ISO EN 10140 + ISO EN 717
- Security**  
ISO EN 1627
- Thermal transmittance**  
Uw

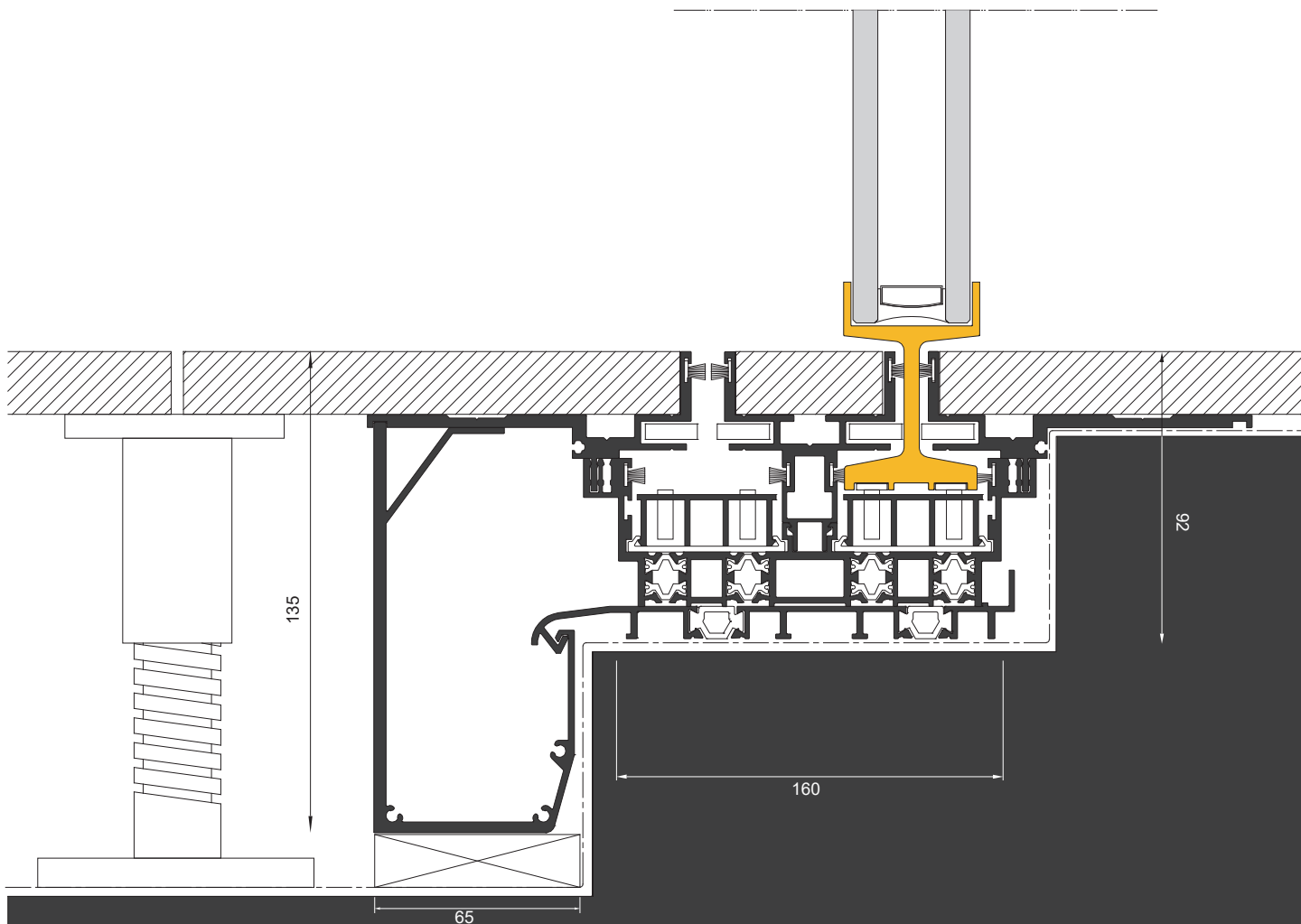
**E1650**  
(7 classes above 9A)

**Class 4**  
(600 Pa or 110Kmh)

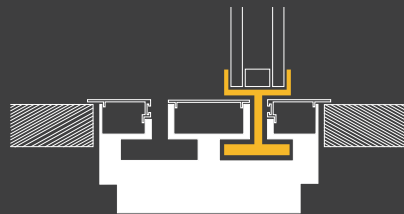
**Class C5**  
(2000 Pa or 200 Km/h)

**Class 5**  
(In 6 possible classes)

Calculation module 4.60 x 3.00  
ISO EN 10077-1 + ISO EN 10077-2 (up to)  
up to Uw 1.0 W/ m² K







# GENERAL TECHNICAL INFORMATION

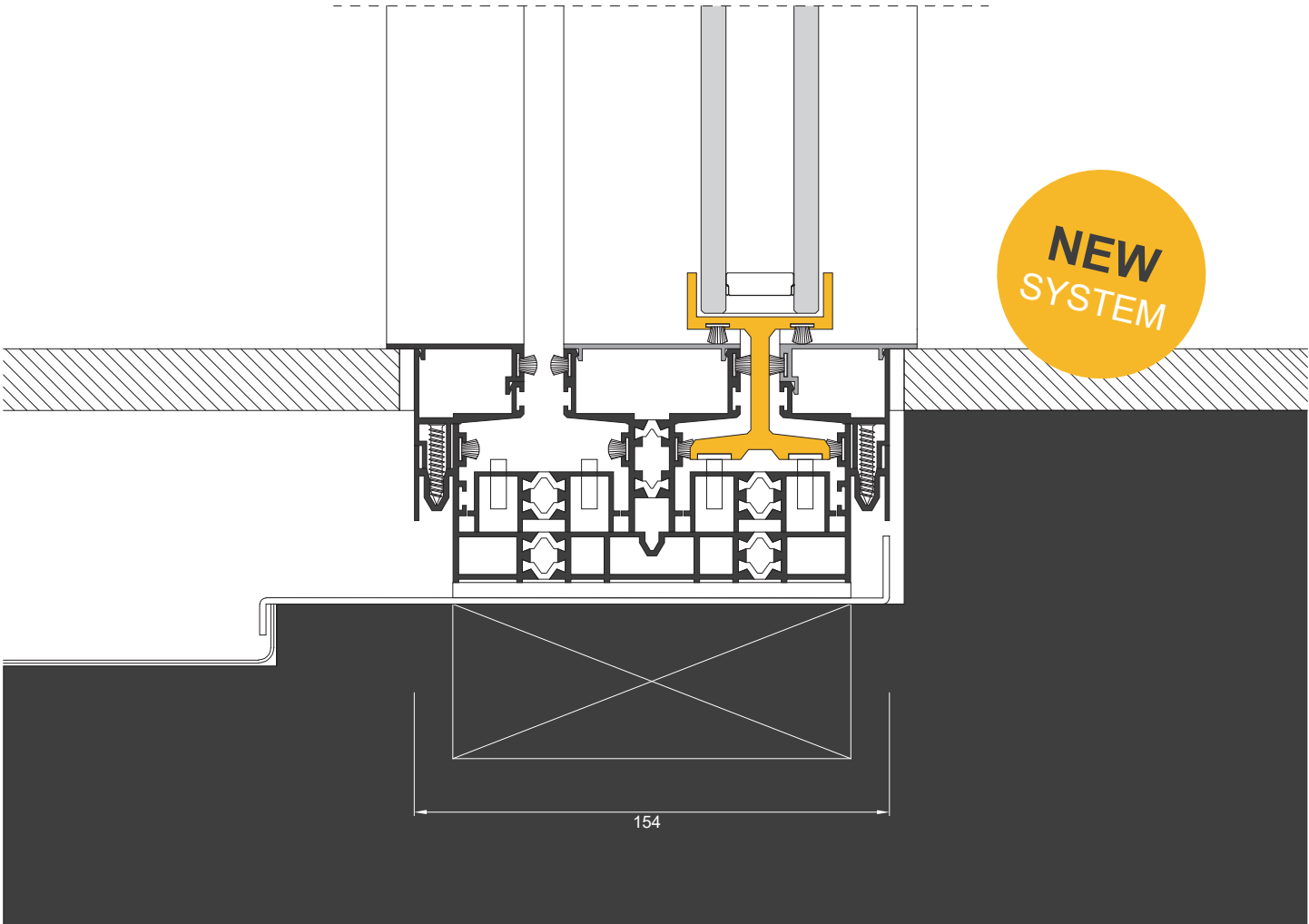


## FUSION 2.0

**FUSION 2.0** is the new minimalist sliding window system from OTIIMA, Much more than a Window, that merge function, performance and maintenance in an innovative and exceptional way, combining the best thermal, acoustic and permeability performances according to air and water tightness, superior design that blends and perfectly integrates the building, and a unique maintenance character, which simplicity like the replacement of the final finishing caps at any time during the life of the building, during or after construction, can be even done by the final user.

At the same time, the system still allows it perimeter cavities below the removable finishing caps, to be transformed into technical spaces for different uses, from mechanical fixings to thermal probes for heating, insulation, lighting, and drainage sensors.

 <b>Watertightness</b> ISO EN 12208 + ISO EN 1027	<b>E1650</b> (7 classes above 9A)	 <b>Acoustic Insulation</b> ISO EN 10140 + ISO EN 717	<b>Rw: 42db</b>
 <b>Air Permeability</b> ISO EN 12207 + ISO EN 1026	<b>Class 4</b> (600 Pa or 110Km/h)	 <b>Security</b> ISO EN 1627	<b>RC2:(WK2)</b>
 <b>Wind Resistance</b> ISO EN 12210 + ISO EN 12211	<b>Class C5</b> (1200 Pa or 155 Km/h)	 <b>Thermal transmittance</b> Uw	Calculation module 4.60 x 3.00 ISO EN 10077-1 + ISO EN 10077-2 (up to up to Uw 1.0 W/ m² K
 <b>Impact Resistance</b> ISO EN 12600 + ISO EN 1630	<b>Class 5</b> (In 6 possible classes)		Ug = 0,7










## FLEX by CA

**FLEX** frame is an architectural glazing product, that combines the highest technical performance of today's most demanding standards in the construction market, with the elegance and delicacy of minimalist steel and wood frames hand-made by metal workers, with the additional advantage of solving a diversified range of typologies and solutions in a unique integrated and consistent visual language of the various frames, merging the entire solution in the construction with the purest and simplest appearance.

**FLEX** frame optionally allows the integration of a wooden decorative sub-frame, which can take on various dimensional and expressions, enhancing the window and making it an integral element of the architectural composition.

"Sometimes we want to merge the window in the building to a minimal expression. Sometimes we want to have a visual framing, a window enhancement as a composition element. Other times we want both expressions to value a particular composition." CA

 <b>Watertightness</b> ISO EN 12208 + ISO EN 1027	<b>E 950</b> (2 classes above 9A)	 <b>Acoustic Insulation</b> ISO EN 10140 + ISO EN 717	<b>Rw: 42db</b>
 <b>Air Permeability</b> ISO EN 12207 + ISO EN 1026	<b>Class 3</b> (600 Pa or 110Km/h)	 <b>Security</b> ISO EN 1627	<b>RC2:(WK2)</b>
 <b>Wind Resistance</b> ISO EN 12210 + ISO EN 12211	<b>Class 3</b> (1200 Pa or 155 Km/h)	 <b>Thermal transmittance</b> Uw	Calculation module 4.60 x 3.00 ISO EN 10077-1 + ISO EN 10077-2 (up to) up to Uw 1.2 W/ m² K
 <b>Impact Resistance</b> ISO EN 12600 + ISO EN 1630	<b>Class 5</b> (In 6 possible classes)		Ug = 0,7

