








OTIIMA FUSION 1.0

technical details

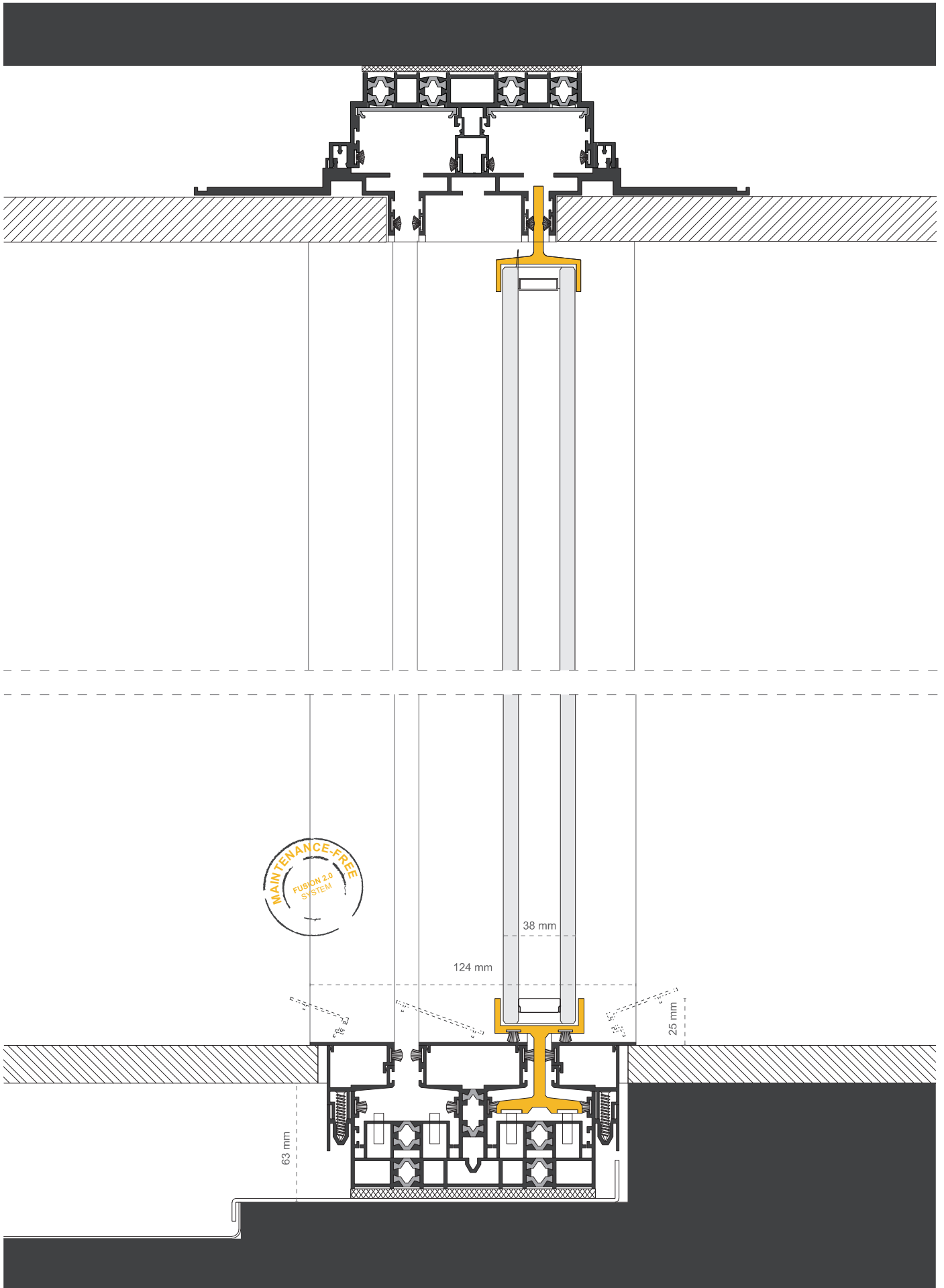
OTIIMA FUSION 1.0 is a system that is completely merged within the architectural and finishing materials, offering: hidden head, sill and jamb frames. Besides, it is a system that requires no maintenance due to the minimal visible slot, that inhibit leaves or other natural dirt to accumulate on its cavity. The window totally merges with the building, becoming one.

FUSION 1.0 stands out as a system which is completely built into the finishing materials, as if the window is merged with the building, becoming one. This system incorporates the window frames with reinforced binding polyamides and toughened glass, providing superior thermal and structural performance. It's an innovative system, completely built-in on all four sides of the frame, providing the perfect fusion and a seamless connection with the interior and exterior spaces. In addition, **FUSION 1.0** incorporates a gutter capable of draining a large amount of rainwater even in extreme situations (see OTIIMA DRAIN complementary system). This system has achieved exceptional results in 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	E1650 (7 classes above 9A)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 4 (600 Pa or 110Km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class C5 (2000 Pa or 200 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw	up to Ug = 0.7 Uw 1.0 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)












OTIIMA FUSION 2.0

technical details

OTIIMA FUSION 2.0 is the most balanced system in the market, in what concerns about design, performance and maintenance. Besides, it is a system that requires no maintenance due to the minimal visible slot, that inhibit leafs or other natural dirt to accumulate on its cavity. This system enables easy access to technical cavities, removable and replaceable covers. Additional drainage grid and anti-freeze.

FUSION 2.0 is the new minimalist sliding system from **OTIIMA** | Much more than a window that merges design, performance and maintenance in an innovative and exceptional way, combining the best thermal, acoustic and air/water permeability performances with superior design to perfectly blend and harmonize with the building. Unique maintenance features, like the easy replacement of the finishing caps at any time throughout the lifespan of the building, during or after construction, that can even be done by the end user.

The system also features perimeter cavities below the removable finishing caps, that can be transformed into technical spaces for multiple uses, such as extra mechanical fixings, thermal probes for heating, insulation, lighting or weather sensors.

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	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw Ug = 0.7	up to Uw 1.0 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)

