**Reynaers Aluminium’s MasterLine 10 - Windows and doors for Passive Houses.**

Reynaers Aluminium developed its MasterLine 10 series to offer more design freedom for contemporary low energy and passive buildings. The MasterLine 10 window range is available in 3 design variants: 'Functional' for the sleek appearance, ‘Renaissance' for a more classic look and 'Deco' for a contemporary style.

Its profiles are designed for the building trends of the future: low energy building, maximum daylight access, superb AWW performance and safety.  The profiles allow combinations of very large glass windows with extreme thermal performance and were tested for the highest burglary resistance (up to burglar resistance class 3). MasterLine 10 is perfectly suited for residential and high-rise buildings, as well as for public buildings where high-frequency usage requires robust and reliable systems.

The highly insulating character of the system is achieved through the integration of innovative materials and the composition of the thermal break. Frame-vent combinations achieve insulation values (Uf) down to 0.78 W/m²K, and for fixed glazing they decrease to a minimum of 0.66 W/m²K.  MasterLine 10 achieved a Passive Housing certificate from the reputable Passive House Institute under the leadership of the renowned Dr Wolfgang Feist in Darmstadt, Germany.

The latest extension to the MasterLine 10 is the door range. These doors offer excellent Uf values down to 0.87 W/m²K for frame-vent combinations. They are a perfect solution for passive buildings with possibilities for home automation for more comfort and security. Features include finger-scanning technology to open doors.