



Residential door system



AluFusion System

aluminium and PVC-U in a unique bond



KÖMMERLING®

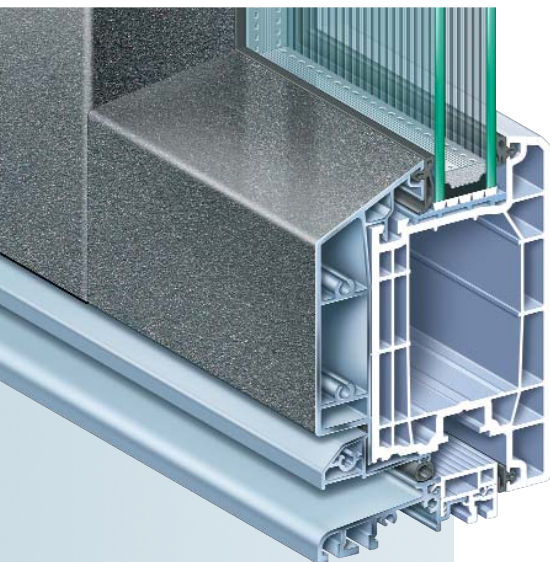


The right door to *your world*

Doors are a part of your living space and your own personal living environment. You should therefore lend your full attention to your choice of the right residential door system.

Elegant visual appeal, optimal static properties plus

AluFusion is a new generation of doors – a unique union of aluminium and PVC-U. Both of these materials complement each other, enhancing even more their individual advantages. Besides the familiar functions of an aluminium cover, the special features of AluFusion include in addition the sliding connection between the functional aluminium and PVC-U sash profiles. Aluminium and PVC-U fuse, a glazing bead is no longer needed.



A standard in thermal insulation.

The aluminium profile takes over the static functions, so steel reinforcement in the sash profile is needed only in special cases. The thermal insulation properties of AluFusion, extraordinarily high to start with, are additionally enhanced without the use of steel reinforcements, achieving a U_f value of $1.5 \text{ W/(m}^2\text{K)}$. So AluFusion is setting the standard for thermal insulation in times of rising energy costs.

AluFusion residential door system

with 75 mm installation depth, PVC-U sash profile, and functional aluminium profile in a sliding connection

- ▶ flush mounted design of straight lines with butt joined aluminium profiles
- ▶ a clear play of lines also on the inside – a glazing bead is no longer necessary
- ▶ virtually unlimited colour schemes
- ▶ outstanding thermal insulation:
 U_f value $1.5 \text{ W/(m}^2\text{K)}$ – sash w/o steel
 U_f value $1.6 \text{ W/(m}^2\text{K)}$ – sash with steel
- ▶ max sash sizes:
1100 x 2300 mm – sash w/o steel
1200 x 2500 mm – sash with steel
- ▶ special functional glazing 24–40 mm
- ▶ high sealing properties through second continuous sealing level
- ▶ threshold with thermal break, flush mounted locking plate installation, and concealed fastener
- ▶ additional tightness against driving rain by an aluminium weather bar – class 6A



The greenline symbol represents our new, lead-free stabilised profile generation. Check for this symbol if you want to improve your practices and your environment.



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