

DPU

A doubly insulated, energy-saving door for more than just fresh logistics.



Thermal protection lowers operating costs

Fresh goods must be transported and stored in a closed cold chain from the manufacturer to the end customer. This requirement demands a high level of energy in every cooling process. The DPU door minimises temperature losses at door openings, making it ideal for use in deep freeze warehouses.

Systematic insulation

The hollow space in the double-skinned steel door is uniformly foam-filled with polyurethane rigid foam, binding the material to the steel shell. The insulating core in DPU doors is 80 mm thick, providing it with excellent insulation values. Double seals at the lintel and floor increase door sealing and thus effectively reduce energy losses.

The steel sections of the DPU door have thermal breaks on the interior and exterior. This ensures a thermal insulation value of up to $0.48 \text{ W/m}^2\text{K}$ (door surface $5000 \times 5000 \text{ mm}$) and reduces the accumulation of condensation water on the inside of the door.

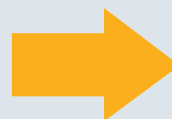
UPVC lintel profile with double lip



UPVC bottom locating profile with double bottom seal



80 mm



Thermal break

Narrow ribbing
(does not match
SPU, APU and TAP)