

TAR 40

Aluminium door with profiles with thermal break

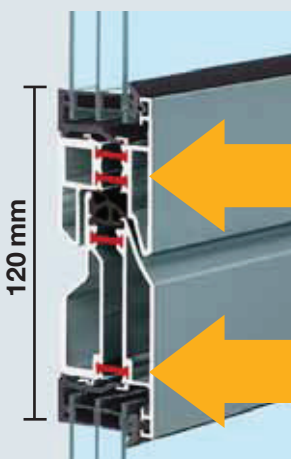


Convincing arguments

This door has three advantages: high transparency, exceptional stability and good thermal insulation. The modern design of the TAR 40 door can be integrated seamlessly into contemporary facades.

Stable thermal breaks in the profile

The outer and inner shell are separated by glass-fibre reinforced polyamide spacers and also have a non-positive connection.

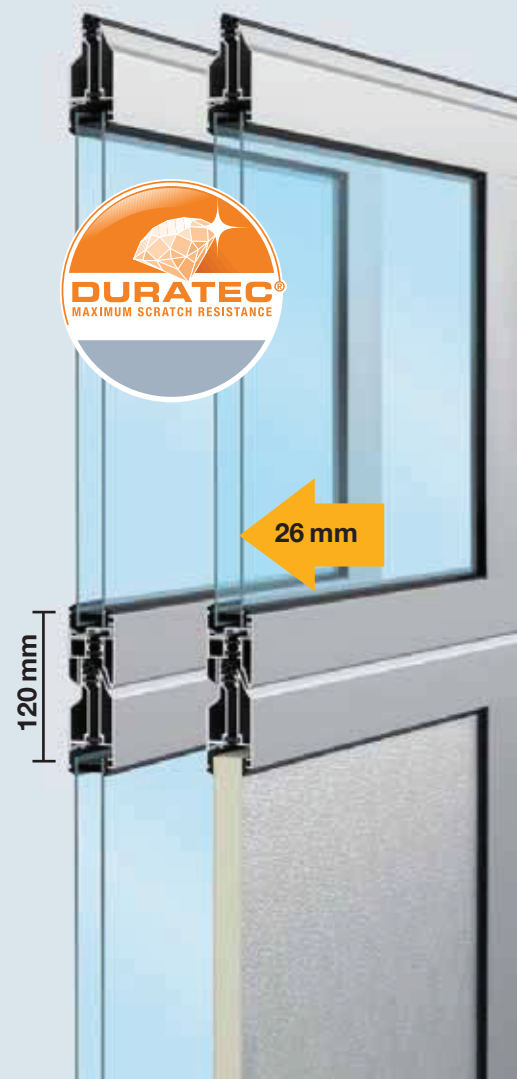


Thermal breaks in the frame profile via glass-fibre reinforced polyamide spacers (red) in conjunction with optional triple glazing.

The best thermal insulation and comfort

The high thermal insulation value is achieved through a combination of door features: aluminium extrusions with thermal breaks and cold-repelling double glazing.

DURATEC double glazing is 26 mm thick as standard, resulting in a high thermal insulation value. On request, the door is also available with DURATEC triple glazing for even better thermal insulation. As standard, the bottom section is infilled with 26-mm thick PU rigid foam. An optional wicket door with trip-free threshold provides a convenient passage for pedestrians without having to open the door all the way. This reduces heat loss and saves energy.





Door versions (examples)



With 52-mm rail extrusion (on request with 91-mm rail extrusion)
for doors up to 5500 mm wide



As standard with a 91-mm rail extrusion for doors from 5510 mm wide



Available fully glazed or with an individual arrangement of the glass and
panel infills

TAR 40

Size range

Width up to 7000 mm
Height up to 7000 mm

Resistance to wind load ¹⁾

Class 3

Water tightness ²⁾

Class 3 (70 Pa)

Air permeability ³⁾

Without wicket door class 2
With wicket door class 1

Acoustic insulation ⁴⁾

Without wicket door R = 23 dB
– Optional double pane (single-pane safety glass) R = 30 dB
With wicket door R = 22 dB

Thermal insulation ^{5) 6)}

Without wicket door
– Standard double pane U = 2.7 W/m²K
– Optional triple pane U = 2.4 W/m²K
– Optional climatic double pane (single-pane safety glass)
U = 2.1 W/m²K
with wicket door
– Standard double pane U = 2.9 W/m²K
– Optional triple pane U = 2.6 W/m²K

¹⁾ EN 12424; ²⁾ EN 12425; ³⁾ EN 12426; ⁴⁾ EN 717-1;

⁵⁾ EN 13241-1, appendix B EN 12428;

⁶⁾ With a door surface of 5000 × 5000 mm

Safety features in acc. with EN 13241-1 are listed on page 43.

Doors with wicket door with trip-free threshold are
available in widths up to 7000 mm.

Please refer to the technical manual for further information.

