T80 ISO & A80 ISO custom-made overhead doors, an optimally insulated quality solution for every facade

Custom-made quality!

The insulation value of an 80-mm door is considerably higher than that of a 40-mm door. Moreover, the panels are thermally separated. Practice shows that on average a door is closed more than 90% of the time. A particularly well insulated door leads to considerable energy savings and is as such a socially responsible choice.

T80 ISO

When developing and building modern company halls, insulation is an important factor! It is logical that, for instance, 100-mm steel sandwich panels are chosen for both the walls and the roofing. If 40-mm doors are installed in such a hall, all of these investments are not as profitable as they could be. After all, heat exits the building through the weakest link. Our T80 ISO has the same options as the 40-mm door, but offers a higher insulation value, therefore the T80 ISO is a fully-fledged alternative for a 40-mm door. The T80 ISO is available in three standard RAL colours: RAL 9002, RAL 9006 and RAL 7016. Of course, every door can be manufactured in any desired RAL colour. The outer leaf is embossed. The panels are thermally separated and are as a result produced without finger protection.

A80 ISO – Quadruple glazing in 80-mm aluminium door

The 80-mm aluminium sections are as standard anodised and fitted with quadruple glazing. A80 ISO sections are always POWDER COATED if you order the door in a colour. The A80 ISO sections feature thermal separation and are executed without finger protection.

A80 ISO

The A80 ISO is an excellent alternative for the 40-mm version. Is daylight on the work floor a requirement and do you want to retain the planned insulation value? Then the A80 ISO is a perfect solution. In addition to the light transmission and the high insulation value, the A80 ISO overhead door offers sufficient opportunities to match it to the building. The A80 ISO can also be used as a section in an T80 ISO. An A80 ISO door combined with an T80 ISO bottom section is used frequently.

Below is a summary of various technical details and options that can help you make the right choice. Both the T80 ISO and the A80 ISO doors meet all applicable technical CE standards.

The 80-mm range

T80 ISO steel sandwich 80 mm, thermally separated* A80 ISO aluminium 80 mm with quadruple glazing, thermally separated* Pass door, available for both the A80 ISO and T80 ISO

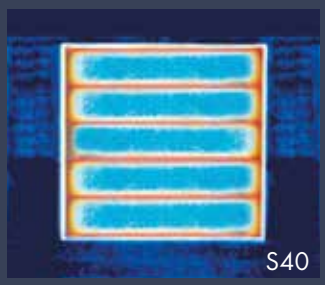
* = NO thermal bridge

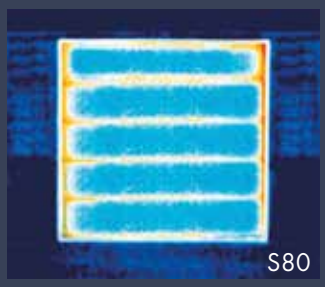
Pass door possible

As the first and only door manufacturer, we can supply pass doors for 80-mm doors. Pass doors can be fitted to both the T80 ISO and A80 ISO. For both the T80 ISO and the A80 ISO, the pass door is only available in combination with the low threshold. A pass door offers many advantages. And the use of a low threshold makes it usable in even more situations. What is unique is that we have managed to retain all of the characteristics of the 40-mm pass door in the 80-mm door. As a result, both the T80 ISO and the A80 ISO are perfect alternatives if insulation is of decisive importance.

Heat loss images

The images below were made with a special thermal imaging camera. They clearly show the difference between the insulation values of the S40 and the T80 ISO.





DMB/TLB/DLW/LDB 4000 mm x DMH/TLH/DLH/HDB 4000 mm					
	S40 - U Value	T80 ISO - U Value	Improved insulation	Saving fuel oil*	Saving gas*
Blank sections	1,33	0,73	82%	73 ltr	100 m
Blank sections with 1 section with 4 click windows	1,46	0,77	89%	83 ltr	114 m³
Blank sections with 2 sections with 4 click windows	1,59	0,81	96%	94 ltr	129 m³
DMB/TLB/DLW/LDB 4000 mm x DMH/TLH/DLH/HDB 4000 mm					
	S40/A40 - U Value 2V	T80 ISO/A80 ISO - U Value 4V	Improved insulation	Saving fuel oil*	Saving gas*
Blank sections with 1 glass section	1,69	0,91	85%	94 ltr	130 m³
Blank sections with 2 glass sections	2,03	1,10	84%	112 ltr	154 m³
DMB/TLB/DLW/LDB 4000 mm x DMH/TLH/DLH/HDB 4000 mm					
	A40 nieuw - U Value 2V	A40 nieuw - U Value 3V	Improved insulation	Saving fuel oil*	Saving gas*
PMMA windows standard	3,69	3,01	22%	82 ltr	113 m³
DMB/TLB/DLW/LDB 4000 mm x DMH/TLH/DLH/HDB 4000 mm					
	A40 nieuw - U Value 2V	A80 ISO - U Value 4V	Improved insulation	Saving fuel oil*	Saving gas*
PMMA windows standard	3,69	2,17	70%	184 ltr	253 m³

* Annual savings / 10°C temperature difference
Calculated according to EN 13241 / EN 12428 / EN 673 and underlying relevant standards