



IDM Doors Technical Information

IDM Doors Ltd Data Sheet 8

Doorset 'U' Values (Document Part L)

Building regulations Document L requires exterior door sets to have a U-Value of 2.0 W/m²K or below to comply.

The following results were calculated by Chiltern Dynamics, using LBL software program, THERM 5.2 and validated against proofs in Annex D of BS EN ISO 10077-2:2003

- Steel door in timber frame with Aluminium threshold **1.3 W/m²K**
- Steel door in PVC frame with Aluminium threshold **1.3 W/m²K**
- Half Glazed Steel door in timber frame with Aluminium Threshold **1.8 W/m²K**
Without Low-E glass
- Half Glazed Steel door in PVC frame with Aluminium Threshold **1.9 W/m²K**
Without Low-E glass
- Half Glazed Fibreglass door in timber frame with Al. Threshold **1.9 W/m²K**
Without Low-E glass
- Half Glazed Fibreglass door in PVC frame with Al. Threshold **2.0 W/m²K**
Without Low-E glass

The above results represent the best and worst case situations. All other glazing options will fall within the above results which means that any glazed version currently available will comply with the building regulations without the need for Low-E glass.