



# U-Value Datasheet

Thermally rated insulated complete door-sets (non fire-rated)

Strongdor Thermally Rated Steel doors have been submitted for thermal performance calculation in accordance with BS EN ISO 10077-1:2017 by Element Materials Technology, a UKAS accredited Testing Laboratory (No.0621)

Product Calculated	Single & Double Leaf insulated doors	Result / U-Value
Calculation	Technical description	
Whole door-set U-Value (U <sub>D</sub> )	Doorset 1: Single Doorset unglazed	1.6 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 2: Single Doorset Single Pane (457 x 457mm)	2.3 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 3: Single Doorset Single Pane (152 x 762mm)	2.2 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 4: Single Doorset Single Pane (152 x 1524mm)	2.4 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 5: Single Doorset Double glazed (457 x 457mm)	2.1 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 6: Single Doorset Double glazed (152 x 762mm)	2.1 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 7: Single Doorset Double glazed (152 x 1524mm)	2.2 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 8: Double Doorset Unglazed	1.5 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 9: Double Doorset Single Pane (457 x 457mm)	2.4 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 10: Double Doorset Single Pane (152 x 762mm)	2.2 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 11: Double Doorset Single Pane (152 x 1524mm)	2.5 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 12: Double Doorset Double glazed (457 x 457mm)	2.2 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 13: Double Doorset Double glazed (152 x 762mm)	2.1 W/(m <sup>2</sup> K)
Whole door-set U-Value (U <sub>D</sub> )	Doorset 14: Double Doorset Double glazed (152 x 1524mm)	2.2 W/(m <sup>2</sup> K)

The above thermal rating examples are based on single doors W: 1.23m x H: 2.18m and double doors W: 2.0m x H: 2.18m. The leaves are insulated with a high performance thermally rated material and are based on our standard 44mm thick leaf.

\*If fire rating is required, please contact the steel door experts for further information on the contact details below.

