



## PACIFIRE® Technical Data

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### Pacifire® Thermal Values 44mm FD30

Layer	Thickness - m	Thermal Conductivity	R value
External Resistance	-	-	0.130K m <sup>2</sup> /W
Tricore wooden door	0.044	0.077 W/mK	0.571K m <sup>2</sup> /W
Internal Resistance	-	-	0.130K m <sup>2</sup> /W
<b>Total</b>	-	-	<b>0.831K m<sup>2</sup>/W</b>

U Value = 1/ R

U=1/0.831

**U=1.203 W/m<sup>2</sup>K**

Values based upon door core density of 320kg/m<sup>3</sup>

Note: Calculation is used to help confirm the predicted behaviour of a building element,  
Other factors can effect performance such as , wind speed, air pressure variations, driving rain,  
permeability, additional surfaces, workmanship, etc..

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### Pacifire® Acoustic values 44mm FD30

Up to **Rw.32dB**

Based upon basic 44mm 3 layer timber core with plywood faces and without the addition of other surfaces.  
Pacifire blanks are designed as a general purpose doorblank and technical guidance from acoustic seal manufacturers  
should be followed.

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