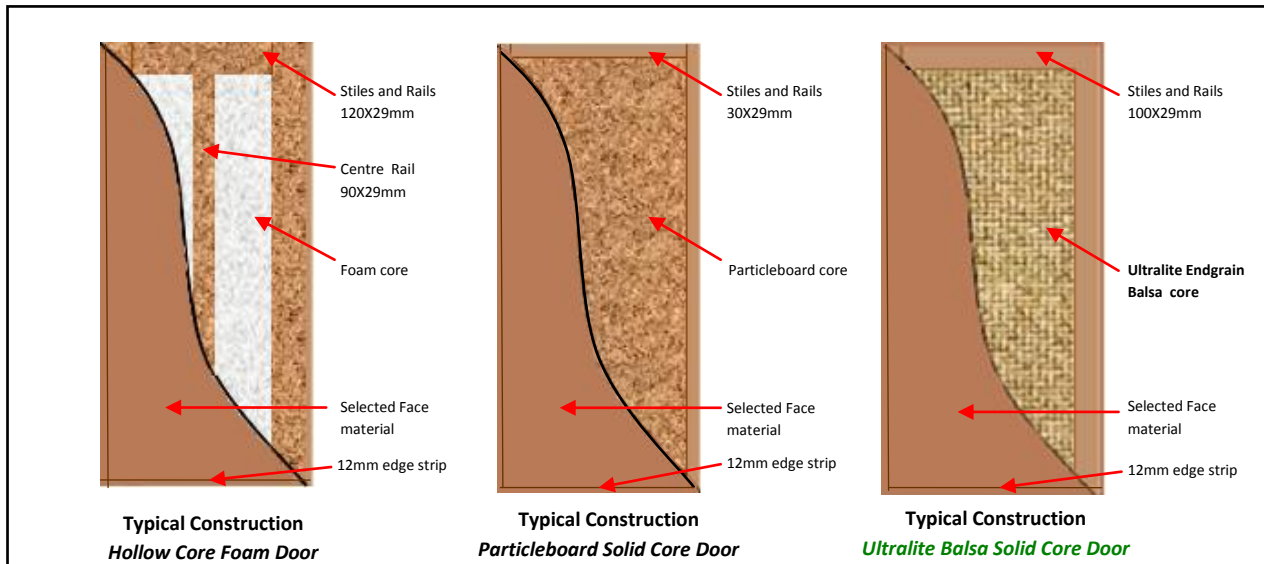


## Ultralite Solid Core Balsa Door



**The Ultralite Balsa Core is FSC Certified, Formaldehyde Free and offers similar Heat Insulation, Sound Insulation, Security and, Longevity properties as a traditional solid core door!**

\*Design (2700x920x40)

**Weight**

**Heat Insulation**

**Sound Insulation**

**Security**

**Environmental**

**Moisture resistance**

	<b>Hollow Core</b>	<b>Particleboard</b>
<b>Weight</b>	36 Kg	62.1 Kg
<b>Heat Insulation</b>	Poor: Retain some warmth, but the air pockets inside will allow more heat to pass through.	Good: As a solid piece of material, this type of door is better at insulating against heat loss.
<b>Sound Insulation</b>	Poor: Foam core disrupts sound waves and breaks them up, muffling sound reasonably well.	Excellent: a thicker, denser solid door will muffle sound more effectively
<b>Security</b>	Poor: These doors are very easy to break down and will give way quickly with a few well-placed kicks	Excellent: Will withstand much more punishment than a hollow door and can hold up under a sustained beat down for quite some time
<b>Environmental</b>	Poor: No environmental credentials	Good: FSC Certified
<b>Moisture resistance</b>	Poor: Not suitable for exterior use.	Well suited for exteriors use though they are prone to expansion and contraction which can cause cracking and warping, so regular maintenance may be required to keep these doors in top condition

<b>Ultralite Balsa</b>
43.5 Kg
As a solid piece of material, this type of door is better at insulating against heat loss.
Excellent: With the honeycomb cell structure and density of the balsa sound is muffled very effectively.
Excellent: as it is a solid core, this door will withstand similar punishment as the particle board door
Excellent: FSC Certified and formaldehyde free. Zero % off gassing from the core material
Excellent for exterior use: Due to the micro honeycomb cell structure, moisture cannot traverse horizontally through the balsa endgrain, thus the door will not expand, contract, warp or bow

\* This is a draft document based on initial testing

\*Weight and properties are based on doors that are 2700x920x40 in dimensions.

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