

## Iswood® door leaf blanks

### Cork

The used cork is **not** subject to one of the following categories:

- Harvest in forest areas where traditions or civil rights are violated
- Harvest in forest areas without FSC-approval with high preservation value and endangered wood
- Harvest from genetically engineered trees (GR)
- Illegal harvest
- Natural forests that were converted into plantations or non-forest areas

Properties	Symbol	Test method	Unit	Value
Gross density	$\rho_a$		kg/m <sup>3</sup>	300
Thermal conductivity	$\lambda_D$		W/mK	0.044
Tensile strength			MPa	0.60–0.75

Plywood	Symbol	Test method	Unit	Value
Classification				IF20
Gross density	$\rho_a$	EN 323	kg/m <sup>3</sup>	~420
Thermal conductivity	$\lambda_D$		W/mK	0.130
Emission category		UNI EN 717/2	mg HCHO/m <sup>2</sup> h	E1
<b>Thickness 4.0 mm:</b>				
Bending strength (longitudinal)		EN 310	N/mm <sup>2</sup>	36
Bending strength (lateral)		EN 310	N/mm <sup>2</sup>	30
Elasticity modulus (longitudinal)		EN 310	N/mm <sup>2</sup>	4600
Elasticity modulus (lateral)		EN 310	N/mm <sup>2</sup>	1350
<b>Thickness 9.6 mm:</b>				
Bending strength (longitudinal)		EN 310	N/mm <sup>2</sup>	36
Bending strength (lateral)		EN 310	N/mm <sup>2</sup>	30
Elasticity modulus (longitudinal)		EN 310	N/mm <sup>2</sup>	4600
Elasticity modulus (lateral)		EN 310	N/mm <sup>2</sup>	1350

### Wood

- Quality A/A
- FSC- or PEFC-certified

Larch properties	Symbol	Test method	Unit	Value
Gross density	$\rho_a$		kg/m <sup>3</sup>	~590
Thermal conductivity	$\lambda_D$		W/mK	0.140

Aluphenol	Symbol	Test method	Unit	Value
Thickness			mm	1.2
Weight			kg/m <sup>2</sup>	2.0
Fire behaviour		ÖNORM B 3800, part 1		B2
Bending strength		DIN 53445	Longitudinal, MPa Lateral, MPa	170 135
Impact resistance (Dynstat)			kJ/m <sup>2</sup>	40
Dimensional stability at higher temperature		ON EN 438/2	Longitudinal, % Lateral, %	0.03 0.05
Boiling in water, weight gain			%	2.0
Boiling in water, edge swelling			%	3.0
Diffusion resistance factor (like aluminium)				~730.000