

Product properties PlatoWood Fraké

		Fraké*		Literature**
		PLATO	Non-treated	
Physical properties				
Density	kg/m3	438	484	531
Stdev	kg/m3	19	21	
Moisture content	%	5.1	14.7	
Equilibrium moisture content 60% RH	%			13
Equilibrium moisture content 65% RH	%	5.1	14.7	
Equilibrium moisture content 90% RH	%	9.5	17.5	18
Equilibrium moisture content 95% RH	%	11.5	20.4	
Radial shrinkage saturated -> 65% RH	%	0.8	1.0	1.5
Tangential shrinkage saturated -> 65% RH	%	1.1	1.8	2.8
Radial shrinkage 65% RH -> ovendry	%	1.4	2.5	
Tangential shrinkage 65% RH -> ovendry	%	1.9	2.9	
Radial shrinkage saturated -> ovendry	%	2.2	3.5	3.3
Tangential shrinkage saturated -> ovendry	%	2.9	4.8	5.5
Mechanical properties				
Moisture content before testing	%	5.1	14.7	12
Bending strength (MOR)	N/mm2	67.2	65.5	80
Stdev	N/mm2	10.3	6.9	
Modulus of elasticity (MOE)	N/mm2	11064	10712	10300
Stdev	N/mm2	498	1045	
Durability				
Kolleflask test		Ongoing***	Ongoing***	4

* 4 boards tested (the treated and non-treated boards were matched)

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*** The first EN 113 test has started recently, results are expected in June 2007