GRUPPO TROMBINI	Specification **Raw chipboard panel - PIREX**	Cod.: **SC-32** Rev. **01** Pag. **1/1**

PROPERTIES AND FIELDS OF USE

The chipboard components are made up by recycling wood in triple layer for impregnated papers, laminates and PVC facing. Certificate CE from O.N. 0497 is basing on requisite of standard EN 13986:2004 following the method 1(one) procedure enclosed III instruction of 89/106/CEE . No structural use in internal dry environment.

DIMENSIONAL CHARACTERISTICS

Standard thickness:	mm	12 14 16 18 19 20 22 25 28 30 35 38 40
Standard dimensions:		
Width	mm	1860 2200
Lenght	mm	5600 5400 4250 4050 3770

PHYSICAL AND MECHANICAL PROPERTIES (P2 Panels)

Characteristics	Test method	U.M.	Requirements				
Thickness tolerance (honed)	UNI EN 324-1	mm	± 0,3				
Length and width tolerance	UNI EN 324-1	mm	± 5				
Straightness of edges tolerance	UNI EN 324-2	mm/m	1,5				
Orthogonality tolerance	UNI EN 324-2	mm/m	2				
Average volumetric mass tolerance	UNI EN 323	%	± 10				
Humidity	UNI EN 322	%	5-13				
Formaldehyde content	UNI EN 120	mg/100g	Class E1 (≤ 8)				
European law standard compliance fire resistance	EN 13823 ref. EN ISO 11925 ref. 13501		Bs2d0				
	EN ISO 9239 ref. EN ISO 11925 ref. 13501		$B_{fl}s1$				
Panels thickness			12-13	>13-20	>20-25	>25-32	>32-40
Volumetric mass (density)		Kg/mc	770	730	710	700	690
Flection resistance	UNI EN 310	N/mm^2	13	13	11,5	10	8,5
Elasticity coefficient	UNI EN 310	N/mm^2	1.800	1.600	1.500	1.350	1.200
Internal cohesion	UNI EN 319	N/mm^2	0,45	0,40	0,35	0,30	0,25
Resistance to peeling	UNI EN 311	N/mm^2	0,8	0,8	0,8	0,8	0,8

October 2010