



## Technical Data Sheet

### Starwood Melamine Faced Chipboard

**Characteristics :** STARWOOD decorative melamine faced chipboards for cabinets and indoor surfaces.

A variety of uni-colour, wood, and fantasy decors with various finishes.

STARWOOD melamine faced chipboards are made with wood from sustainable forests

( FSC Certified TT-COC-005969 & CARB2 Certified).

The decor papers impregnated with melamine resin are applied to the STARWOOD chipboards on short cycle presses to form a robust, scratch resistant, antibacterial surface with a natural look.

chips are bonded using Melamine Urea -Formaldehyde glue (MUF) and certified E1 ( products with low formaldehyde emission ).

**Technical Norms :** STARWOOD melamine faced chipboard for indoor uses are produced according to European Norms EN 14322/14323 and EN 312 .

	Thickness	MFC / P2 - Regular Chipboard				Thickness	MFC / P3 - Moisture Resistant			
		6-13 mm	13-20 mm	20-25 mm	25-32 mm		6-13 mm	13-20 mm	20-25 mm	25-32 mm
	Unit					Unit				
Density	kg/m <sup>3</sup>	700	660	640	620	kg/m <sup>3</sup>	810-780	730-710	710-690	690-670
swelling in water after 24h.	%	17	17	17	17	%	9	9	9	9
Bending Strength	N/mm <sup>2</sup>	14	13	11.5	10	N/mm <sup>2</sup>	21	20	18.5	17
Elasticity	N/mm <sup>2</sup>	1800	1600	1500	1350	N/mm <sup>2</sup>	1800	1600	1500	1350
Internal Bond Strength	N/mm <sup>2</sup>	0.4	0.35	0.3	0.25	N/mm <sup>2</sup>	0.4	0.35	0.3	0.25
Resistance to Abrasion	Class			IP	WR	Class			IP	WR
	1			< 50	< 150	1			< 50	< 150
	2			≥ 50	≥ 150	2			≥ 50	≥ 150
	3A			≥ 150	≥ 350	3A			≥ 150	≥ 350
Formaldehyde Content		E1 ≤ 6.5 mg/100g					E1 ≤ 6.5 mg/100g			
Formaldehyde Release		E1 ≤ 1 mg/m <sup>2</sup> h / ≤ 0.03 ppm					E1 ≤ 1 mg/m <sup>2</sup> h / ≤ 0.03 ppm			
Fire Classification		D-s2, d0 ≥ 13 mm					D-s2, d0 ≥ 13 mm			

Certificates :

