



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 / P7 - Moisture Resistant				
	6-13 mm	13-20 mm	20-25 mm	25-32 mm	Unit		6-13 mm	13-20 mm	20-25 mm	25-32 mm	Unit
Density	kg/m ³	700	660	640	620	kg/m ³	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 ²	14	13	11.5	10	N/mm ²	21	20	18.5	17	
Elasticity	N/mm ²	1800	1600	1500	1350	N/mm ²	1800	1600	1500	1350	
Internal Bond Strength	N/mm ²	0.4	0.35	0.3	0.25	N/mm ²	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 ² h / ≤ 0.03 ppm					E1 ≤ 1 mg/m ² h / ≤ 0.03 ppm					
Fire Classification	D-s2, d0 ≥ 13 mm					D-s2, d0 ≥ 13 mm					

Certificates :

