

## TECHNICAL CHARACTERISTICS – COMFODECK POWERED BY ALKUS

Main Parameters	Glass Fiber Reinforcement							Standard
Type of Panel	CD10	CD11	CD14	CD15	CD16	CD18.6	CD30	
Reference of Thicknesses (mm)	10.0	11.0	14.0	15.0	16.0	18.6	30.0	
Tolerance of Thickness (mm)	+/-0.5mm							DIN EN ISO 13385-1
Weight (kg/m <sup>2</sup> )	4.19	4.31	4.65	4.98	5.5	6.69	8.03	DIN EN ISO 4605
Maximum production width (mm)	2950 +/- 1mm							
Maximum production length (mm)	13500 +/- 2mm							
Tensile strength 90° (N/mm <sup>2</sup> )	441.7	441.7	441.7	441.7	441.7	413.7	413.7	ASTM D3039/D3039M
Tensile modulus skin 90° (N/mm <sup>2</sup> )	16995	16995	16995	16995	16995	14781	14781	ASTM D3039/D3039M
Bending strength (N/mm <sup>2</sup> )	83.9	76.3	56.2	52.1	40.0	46.7	21.5	ISO 14125
Flexural modulus (N/mm <sup>2</sup> )	4979	4366	2526	2431	2480	2717	582	ISO 14125
Heat ageing <sup>1)</sup>	10 years							External test
UV-ageing <sup>2)</sup>	10 years							ISO 4892-2:2006
Alkaline ageing <sup>3)</sup>	10 years							External test

Thermal Properties			
Thermal Expansion Coefficient (23°C – 50°C) (10 <sup>-6</sup> m/mK)	32		DIN 53752
Temperature range (°C)	-40/+80		DIN EN ISO 75

Other Properties								
Load rating	4	4	4	4	4	4	4	DIN EN 12811-3
Water Absorption (%)	<1.5							DIN EN ISO 62
Surface anti skid rating	R12							DIN EN 16165
Inflammability	B2/F2							DIN 4102/ DIN 53438-1
Treatment for fire retardment	optional: B-s1, d0/B1							DIN EN 13501-1/ DIN 4102-1
Processing	on site: like plywood Industrial production: with optimized cutting and drilling geometries							
Warranty	7 years							

<sup>1)</sup> according to external laboratory tests (2000h/80°C)

<sup>2)</sup> according to external laboratory tests (2000h), for regions with 60 - 180 Kly/year UV exposition

<sup>3)</sup> according to external laboratory tests (500h/50°C, milk of lime)

The data presented in this section are to be seen as a guide and may vary depending on the process method and test specimen used. The suitability of a material for a specific area of application must be checked by the processor or end user. All technical specifications are provided only as a guide for planning purpose. They do not constitute a guarantee of specific properties or qualities.