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Technical data sheet

TORO/FLEXOS

The **TORO/FLEXOS plywood** is usually made with urea-based adhesive suitable for use in dry environment (interior applications). Upon request and for uses subject to exposure to moisture variations, the panel is also available with melamine gluing.

The panel is characterized by high flexibility. The **TORO/FLEXOS** represents the ideal and practical solution to produce curved structures thanks to the ease with which it can assume and maintain a curved shapes with very low bending radius.

The **TORO/FLEXOS** consists of a special lay-up and the faces are made on exotic veneer (**Ceiba**).

The **TORO/FLEXOS** panel is particularly suitable for use in the coating of columns, arches or curved profiles, in the preparation of work environments (partitions, offices), in the construction of exhibition stands, stage sets and furniture accessories.

The panel is also available with **CE mark** according to EN 13986 for use in construction as not structural element, in compliance with the requirements of the Regulation (EU) No 305/2011 (CPR).

Property ¹	Reference Standard	Unit	Values							
Thickness	EN 315	mm	3	4	5	6	8	10	12	16
Layers		n°	3	3	3	3	3	5	5	5
Density	EN 323	kg • m ⁻³	420 ± 20							
Weight		kg • m ⁻²	1,3	1,7	2,1	2,5	3,4	4,2	5,	6,3
Bending radius		mm	42	45	55	60	80	150	180	300
Bonding quality	EN 314-2		Class 1							
Release of formaldehyde	EN 717-1		Class E05 (Reach compliant)							
Reaction to fire	EN 13501-1		NPD					D-s2,d0 - D _{FL} -s1		
Thermal conductivity - λ	EN 12664	W • (m K) ⁻¹	0,12							

The minimum bending radius is determined by a test on a sample size of 50x400 mm. With the use of larger sizes the radius of curvature can increase its value.

¹ **Warning:** The information given in this data sheet must be considered as mean values resulting from internal controls and are therefore indicative. The buyer is responsible for assessing the suitability of the panels to the specific application to which they are intended. He is also responsible that the modality of transport, storage and use of the panels are correct and conform to the guideline of the supplier and the requirements of applicable standards.