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Technical data sheet — TORO/PVC

TORO/PVC is a lightweight composite built with skin of Okoumé marine plywood and a core of PVC with high density (80 kg/m^3).
The closed cell structure of the PVC provides excellent thermal insulation properties and dimensional stability, constant over time. Thanks to these characteristics, combined with good resistance to mechanical stress, the panel is used in the yachting sector for the realization of interiors, compartments and bulkheads. The panel is also available with skins of other wood-based panels and/or overlaid with a decorative sliced veneers.
The thickness of the insert in PVC (max 65 mm) and of the plywood skin reported in the table below are an example of the possible production.

Performance values[1]

Panel	Reference Standard	Unit	Values					
Thickness	EN 315	mm	**12**	**12**	**15**	**18**	**21**	**28**
Composition		mm	3 – 6 – 3	1,5– 9–1,5	3 – 9 – 3	4 – 10 – 4	3 – 15 – 3	4 – 20 – 4
Density	EN 323	kg • m^{-3}	290	185	248	267	200	200
Weight		kg • m^{-2}	3,5	2,2	3,7	4,8	4,2	5,6
Thermal trasmittance[2] – U		W • (m^2 k)$^{-1}$	4,17	3,19	2,97	2,6	1,89	1,42
Skin of Okoumè Plywood								
Thickness	EN 315	mm	3	1,5	3	4	3	4
Bonding quality	EN 314-2		Class 3					
Release of formaldehyde	EN 717-1		Class E05 (Reach complient)					
Core of PVC								
Thickness		mm	6	9	9	10	15	20
Compression strenght	ASTM D 1621	N • mm^{-2}	1,4					
Thermal conductivity - λ		W • (m k)$^{-1}$	0,031					

[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.

[2] **Note**: the thermal trasmittance values shown in the table do not take into account the coefficients of thermal convection with internal and external environment that must be considered in function of the specific panel's installation.