








Quidyl® is a melaminic faced Engineered Strand Board, entirely produced in Italy.

-  **Lightweight:** -20% compared to a faced particle board
-  **Formaldehyde free:** panel produced with formaldehyde free adhesives
-  **Sustainable:** made with 100% poplar FSC certified wood with life cycle of <10 yrs.
-  **Easy to work:** does not contain recycled material; tool resistance is 3 times higher than standard chipboard
-  **Resistant:** Quidyl® is lightweight, therefore guarantees excellent mechanical performances
-  **Waterproof:** V100 hydro characteristics
-  **Innovative:** Intelligent Material & Design 2015 Award Interzum winner

PARTICLE BOARD TECHNICAL CHARACTERISTICS

Standard size 2070 x 2800mm

	STANDARD	UM	10mm	19mm	25mm
DENSITY*	EN323	Kg/dm ³	540 ± 5%	530 ± 5%	530 ± 5%
BENDING STRENGTH	EN310	N/mm ²	≥ 14	≥ 13	≥ 12
INTERNAL BONDING	EN319	N/mm ²	≥ 0,35	≥ 0,35	≥ 0,30
ELASTICITY MODULUS	EN310	N/mm ²	≥ 2000	≥ 2000	≥ 2000
SURFACE DELAMINATION	EN311	N/mm ²	≥ 1,0	≥ 1,0	≥ 1,0
SCREW TEARING FACE	EN320	N/mm ²	N.A.	≥ 900	≥ 900
SCREW TEARING EDGE	EN320	N/mm ²	N.A.	≥ 700	≥ 700
THICKNESS TOLERANCE	EN324	mm	± 0,5mm	± 0,5mm	± 0,5mm
SWELLING AFTER 24 HRS	EN317	%	≤ 12	≤ 10	≤ 9
INTERNAL BONDING CYCLE OPZ. 2	EN1087-1	N/mm ²	≥ 0,09	≥ 0,08	≥ 0,07
THERMAL RESISTANCE	EN12664	W/mK	0,1	0,1	0,1
FIRE RESISTANCE	EN 13986	Class	D - s2, d0	D - s2, d0	D - s2, d0
TOOL WEARING 100m**	UB14-15	µm	average <10 peak <20		

* Data relating to raw panel

** LEUCO internal test. Average values for a satisfying, non-recycled particle board: average wearing > 20 µm, peak >50 µm

**TECHNICAL CHARACTERISTICS**

RESISTANCE TO ABRASION	EN 14323	Printed Class 1, Unicolour Class 3A
RESISTANCE TO WATER STEAM	EN 14323	≥ Level 4
RESISTANCE TO SCRATCHES	EN 14323	≥ 1,5N
RESISTANCE TO STAINS	EN 14323	Group 1 & 2, class ≥ 4
RESISTANCE TO LIGHT	EN 14323	≥ 6 blue wool scale
RESISTANCE TO CRACKS	EN 14323	Class ≥ 3
RESISTANCE TO DRY HEAT	EN 12722	Class B
TENDENCY TO RETAIN DIRT	UNI 9300	Level ≥ 4

**STORAGE AND HANDLING**

Goods must be stored in a dry and ventilated place (relative air humidity 35%-65%). Do not store with inflammable substances. If exposed to direct sunlight, the laminate may deteriorate. Stacks should be stored correctly at a manageable height to ensure stability. To avoid warping or damp stains, place the panels on pallets with adequate spaces. When handling the laminates, use suction pads or gloves. Machinery and equipment must be fitted with suitable aspiration systems.

**CLEANING & MAINTENANCE**

The melamine surfaces are the most resistant among those used in the furniture field. For cleaning, it is preferable to choose a detergent for domestic use. It is recommended that you avoid spraying products directly onto the surface, as this may leave stains and marks; instead, it is preferable to apply the detergent product on a soft damp cloth, clean the surface and then rinse it. Avoid using abrasive products, bleach or highly chlorinated products or acids.