

Data Sheet

# Merbau

EXOTIC RANGE



#### DESIGN PARQUET

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Previous data sheet are invalid. Errors or technical informations can be changes without notice. Updated in : April 2025.

## DATA SHEET - MERBAU

#### CHARACTERISTICS

Species (origin) : Merbau (Asia, Flegt licence).

**Description :** Red with many color variation, from grey-brown to dark garnet. The veining may show white streaks.

Support : Solid or Loft Pro : engineered wood flooring on birch plywood base.

Density: 830 kg/m<sup>3</sup>.

Finishing : Raw, Satin varnish, Natura oil or Satin ROC varnish.

Assembly : Tongue and groove (T+G), Lamparquet (size 10 x 60).

**Particularity :** Wood is a natural material that evolves over time. Under the effect of sunlight, the color of your floor will age, a process that stabilizes after a few months of exposure.

SUPPORT	SIZE (MM)	LENGTH (MM)	TOP LAYER	BEVELS	THERMAL RESISTANCE K/W
Solid	10 x 60 (lamparquet)	300	-	NO	0,04 m²
	14 x 90	300-1200	-	NO or 4	0,07 m²
	14 x 135/140	400-1800	-	4	0,07 m <sup>2</sup>
	20 x 130/140	400-2200	-	NO or 4	0,10 m²
LOFT PRO	12 x 130/140	600-1800	3,5 mm	2	0,06 m²

#### **TYPE OF INSTALLATION**

- Floating according to DTU 51-11 (Loft Pro only).
- Glued according to NF DTU 51-2.
- Nailed according to DTU 51-1 (minimum thickness 20 mm).

#### COMPATIBILITIES

Compatible on low temperature hydraulic underfloor heating and cooling (according size) :

COMPATIBILITIES		GLUED LAYING		FLOATING LAYING		
SUPPORT	THICKNESS (MM)	WIDTH (MM)	HEATING UNDERFLOOR	HEATING/COOLING UNDERFLOOR	HEATING UNDERFLOOR	HEATING/COOLING UNDERFLOOR
	10	60	YES	YES	-	-
SOLID	14	90/135/140	YES	YES	-	-
	20	130/140	YES	NO	-	-
LOFT PRO	12	130/140	YES	YES	YES	NO

It is imperative to start the heating 4 weeks before the beginning of the laying. Heater off 48 hours before laying. Wait for 1 week and restart the heating gradually over 15-20 days. It is traditionally recommended a thermal resistance less than or equal to 0.09 m<sup>2</sup>.K/W. For higher thermal resistances, a certain loss of capacity must therefore be considered. It is imperative to respect the laying rules and the manufacturer's recommendations for use, as well as the governing regulations :

- NF DTU 35.14 Execution of hot water floors.
- The CSTB 3164 booklet Reversible floors.

Suitable with ISO dB and Iso alu (Cf data sheet).

#### **FLOOR MAINTENANCE**

After installation, it is imperative to apply the following products to the parquet floor, depending on its Design Parquet finish :

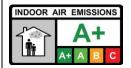
FINISHING	DAILY CLEANING		REGULAR MAINTENANCE AND AFTER INSTALLATION	
VARNISH	CLEANER	(L+)	RENOVATOR MATT	R+
NATURA OIL	NATURAL SOAP	5	MAINTENANCI OIL	Ē (ℕ+)

- Remember to put protective pads under the legs of chairs and furniture.
- Carry out regular maintenance with a vacuum cleaner, broom, woollen cloth.
- Never wash your floor with large amounts of water.
- Do not use aggressive, abrasive, silicone or ammonia detergents.
- For persistent stains, remove with a damp sponge and neutral detergent.

#### **INFORMATIONS**

- Air humidity at the time of laying and throughout the life of the product must be between 45% and 65%.
- Fire classification :
- Dfl-s1 (Loft pro)Cfl-s1 (solid)
- Hardness rank : D.
- Merbau Monnin hardness : 8,8.

#### **VOC EMISSIONS**



\*Information on the level of volatile compounds emission in inside air, that present a toxicity risk by inhalation, on a scale from A+ (very low emissions) to C (high emissions).

#### **RANKING USE**

The classification of parquet flooring is based on the class of use. The UPEC\* classification does not apply to parquet flooring insofar as it can be renovated, but an equivalence can be made :

SUPPORT	THICKNESS (MM)	RANK	UPEC EQUIVALENCE
SOLID	10 (lamparquet)		U35 P3 E1 C0
	14		U35 P3 E1 C0
	20		U35 P3 E1 C0
LOFT PRO	12	····· <b>///</b>	U35 P3 E1 C0

\* Wear, punching, water, chemistry.