

STACK

BUILT TO STAND THE TEST OF TIME.

STACK is a genuine wood material, with **exceptional resistance** to weather, pests and fungi. A lasting **alternative to aluminum** for facades.

- High **durability**
- Genuine, **natural wood** look
- Adapted to all **architectural styles**



10 YEARS

FADE-FREE

2x

LIGHTER THAN
ALUMINUM

92%

LOWER EMISSIONS THAN AN
ALUMINUM CLADDING

MATERIAL SPECIFICATIONS

SPECIES : Treated poplar, rotary cut

DENSITY: 1100 kg/m³

WOOD WEIGHT FRACTION: 60 wt%

RESIN TYPE: Acrylic

IMMERSION: Waterproofing (slow rate of absorption, high dimensional stability)

DIMENSIONAL SPECIFICATIONS

MAXIMUM SIZE: Up to 6 m

MAXIMUM WIDTH: Up to 200 mm

THICKNESS: 15-30 mm

MECHANICAL PROPERTIES *(internal data, certifications in progress)*

SHORE D HARDNESS / (ISO 48-4:2018)

FLEXURAL MODULUS $E_{0,g,mean}$ / Flatwise / Parallel to grain / (ISO 14125)

FLEXURAL STRENGTH $f_{m,k}$ / Flatwise / Parallel to grain / (ISO 14125)

FLEXURAL STRENGTH $f_{m,k}$ / Flatwise / Perpendicular to grain / (ISO 14125)

STACK

80

15 GPa

100 MPa

8 MPa

PROCESSING GUIDELINES :

TECHNICAL SOLVENT: Isopropanol

MACHINING : Digital cutting (CN), drilling, sanding, polishing. Ideal setting: rotation 15000rpm, feed 800mm/min). Cutting to the desired length possible with a construction circular saw.

NOTE : The data presented in this document is for informational purposes only and is believed to be reliable. We are not assuming responsibility for the results obtained by others over whose methods we have no control. Tests were conducted on 150X150mm formats. Data are average values.