

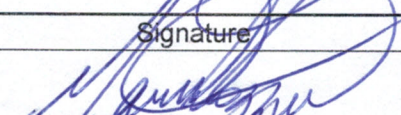
DECLARATION OF PERFORMANCE

| | | | | | | | |
|--|--|------|------|------|------|------|------|
| Product Identification | PINE PLYWOOD EN 636-2 S | | | | | | |
| Product Types | 12mm | 15mm | 18mm | 20mm | 21mm | 24mm | 30mm |
| Intended uses | Internal use as structural components in humid conditions | | | | | | |
| Name and contact address of the manufacturer | ITAMARATI INDUSTRIA DE COMPENSADOS LTDA Rua 3, S/N, Área Industrial CEP 85555-000 Palmas - PR - BRAZIL | | | | | | |
| Harmonized standard | EN 13986:2004 | | | | | | |
| (AOC) System | 2+ | | | | | | |

| Essential Characteristics | Declared Performance | Technical Specification |
|------------------------------|---|-------------------------|
| Release of formaldehyde | E1 (Phenolic Resin Bonded) | EN 13986:2004 |
| Bond quality | Class 3 | EN 314-2 |
| Density | 560Kg/m ³ at 9% moisture content | EN 323 |
| Water vapour permeability | Wat - 70 µ / Dry - 200 µ | EN 13986:2004 |
| Airborne sound insulation | R = 13 xlg (m _A)+14 | EN 13986:2004 |
| Sound absorption coefficient | 0,10 / 030 | EN 13986:2004 |
| Thermal conductivity | 0,13 W/(m.K) | EN 13986:2004 |
| Content of pentachlorophenol | <5 ppm | EN 13986:2004 |
| Biological durability | Class 2 | EN 335 / EN 1099 |

| Dimensional tolerances | Declared Performance | | | | Technical Specification | | | |
|------------------------|----------------------|------|------|------|------------------------------|------|------|------|
| Size | +/- 3.0mm | | | | EN 12871/ EN 315/ EN 324-2 | | | |
| Squareness | +/- 1.0mm | | | | | | | |
| Straightness | +/- 1.0mm | | | | | | | |
| Thickness | See below per type | | | | EN 12871 / EN 315 / EN 324-1 | | | |
| | Product Type | 12mm | 15mm | 18mm | 20mm | 21mm | 24mm | 30mm |
| | Minimum (mm) | 11,6 | 14,6 | 17,6 | 19,6 | 20,6 | 23,6 | 29,6 |
| | Maximum (mm) | 12,4 | 15,4 | 18,4 | 20,4 | 21,4 | 24,4 | 30,4 |

| Essencial characteristics | Declared Performance | | | | Technical Specification | | | |
|---------------------------|----------------------|------|------|------|-------------------------|------|------|------|
| Bending properties | See below per type | | | | EN 310 Type testing | | | |
| | Type | 12mm | 15mm | 18mm | 20mm | 21mm | 24mm | 30mm |
| Bending strength | | 29,8 | 32,4 | 32,5 | 29,3 | 29,7 | 25,9 | 25,2 |
| (N/mm ²) | | 15,9 | 16,9 | 16,7 | 16,7 | 16,7 | 18,3 | 18,6 |

| | | |
|---------------------------|---|--|
| Place and data of issue | Responsible | Signature |
| Palmas, 25 September 2015 | Marcelo Bosquirolli Lazzaretti Partner Manager |  |