

CARPLY RA

Revision Nr:
06

BELLOTTI
L'EVOLUZIONE DEL LEGNO



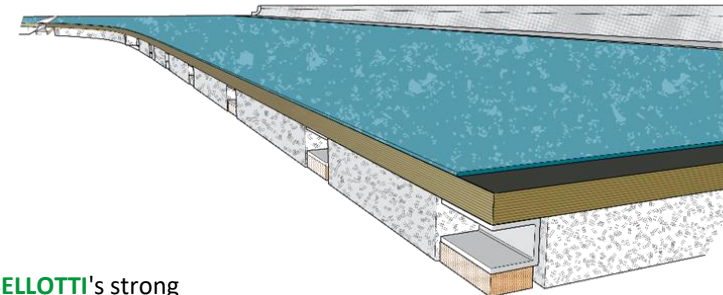
Panel formed by cross bonded veneers Birch with faces coated by thermosetting resin.

Because of their production process offers excellent mechanical strength. The resin coated surfaces give higher hardness, durability and improves fire performance, while the elastomeric core improves the acoustic performance.

| Thickness | Ref. | | mm | 9 | 12 | 15 | 18 | 21 | (a) 22 |
|----------------------------------------------|------------|------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Weight | EN 323 | ECO | kg/m ² | 6,8 | 9,0 | 11,1 | 13,3 | 15,4 | 16,1 |
| RW index | EN 13986 | ECO | dB | 24,9 | 26,4 | 27,6 | 28,6 | 29,4 | 29,7 |
| Fire Reaction | EN 45545-2 | R10 IN15 | Class | HL2(*) | HL3(*) | HL3(*) | HL3(*) | HL3(*) | HL3(*) |
| STANDARD SIZES | | | | | | | | | |
| (1230 X 2480) mm | | | | | | | | | |
| Special dimensions to be confirmed on demand | | | | | | | | | |

* = with ^{RL}/_{RZ} finishing

(a) = Measure subject to a minimum batch order to be confirmed by Sales Dept



APPLICATIONS

Carply RA application fields are on High-Speed Trains, Trains, Subways, Trams, Trucks and Buses.

Designed according to the **RAILWAY SECTOR** specifications and requirements, thanks to the solid **BELLOTTI**'s strong expertise in design, testing and supply integrated systems, our Customer can take profit of Bellotti's know-how and **co-design** with us the complete floor system.



BELLOTTI S.p.A.

I, San Francesco St.
IT-22072 Cermenate (CO)

+39031777222

info@bellottispa.com

http://www.bellottispa.com

VAT N° 00760900969

Note: The data shown in the following technical data sheet are to be considered indicative and subject to change without prior notice. It is the responsibility of the purchaser to determine that Bellotti products are suitable for the desired applications and to ensure that the places and methods of use comply with the provisions of the supplier and the normatives in force.



Carply RA is a Panel formed by cross bonded veneers Birch with faces coated by thermosetting resin.

the thermosetting resin applied on surfaces gives higher hardness, durability and assures improved fire performances.

STANDARD SIZES

(1230 X 2480) mm

Special dimensions to be confirmed on demand

Because of its particular production process, Carply RA offers excellent mechanical performances, offering additional **CONFIGURATION OPTIONS**, such as:

F15 = Preservative Treatment for Durability Improvement

RL = surface **smooth** resined

RZ = surface **knurled** resined

- = surface without resin (i.e: **RL/-** means one smooth resined face and one raw wood face)

+B = Edges moisture ingress protected by non-hygroscopic paint

| | Properties | Standard | Unit | Values | | | | | |
|-------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|------------|------------|-----------|--------------------------|
| G E N E R A L | Nominal Thickness | | mm | 9 | 12 | 15 | 18 | 21 | ^(a) 22 |
| | Thickness Tolerance | [] | mm | +0,2/-0,7 | +0,2/-0,75 | +0,2/-0,85 | +0,2/-0,95 | +0,2/-1 | +0,2/-1 |
| | Edge Straightness and Panel Squareness Tolerances | EN 315 | mm/m | 1 | 1 | 1 | 1 | 1 | 1 |
| | Length and Width Tolerances | [] | mm | ±2 | ±2 | ±2 | ±2 | ±2 | ±2 |
| | Surface weight | [] | kg/m ² | 6,8 | 9,0 | 11,1 | 13,3 | 15,4 | 16,1 |
| | M | Bonding Quality | EN 314 | Class | 3 | 3 | 3 | 3 | 3 |
| E C H A N I C A L | Bending Strength: Long Grain | EN 310 | MPa | ≥60 | ≥60 | ≥60 | ≥60 | ≥52 | ≥52 |
| | Bending Strength: Cross Grain | EN 310 | MPa | ≥52 | ≥52 | ≥52 | ≥52 | ≥45 | ≥45 |
| C H E M I C A L | E-Modulus: Long grain | EN 310 | MPa | ≥8100 | ≥7200 | ≥7200 | ≥7200 | ≥7200 | ≥7200 |
| | E-Modulus: Cross grain | EN 310 | MPa | ≥3600 | ≥4500 | ≥5400 | ≥5400 | ≥5400 | ≥5400 |
| | Screw withdrawal axial resistance | EN 320 | daN | ≥190 | ≥200 | nd | nd | nd | ≥200 |
| | Airborne Sound Insulation | EN 13986 | dB | 24,9 | 26,4 | 27,6 | 28,6 | 29,4 | 29,7 |
| | Thermal Conductivity | EN 13986 | W/(m·K) | 0,17 | | | | | |
| | Fire reaction | EN 45545-2 for R10 IN15 | Class | HL2(*) | HL3(*) | HL3(*) | HL3(*) | HL3(*) | HL3(*) |
| Notes: | | * = with ^{RL} / _{RZ} finishing ** = with ^{RL} / _L and ^{RL} / _{RZ} finishing (a) = Measure subject to a minimum batch order to be confirmed by Sales Dept | | | | | | | |

Designation Example: **Carply RA 18 F15 RL/RZ +B** meaning: Carply RA 18 mm thick, treated for durability increase, bottom face smooth resined, top face knurled resined, edges protected against moisture

ATTENTION: in case of cuts and millings the carved parts have to be protected with appropriate varnish in order to keep unchanged the waterproof characteristics on the panel edge

The information contained in this technical data sheet is given as a pure indication and can be modified without prior notice. The purchaser is responsible for verifying the product's adequacy to the end uses and for making sure that the user's place and criteria comply with the Manufacturer's prescriptions and with the laws in force

Revision Nr:
06