



ALLIN PLEX 100% POPLAR CLASS 3



ALLIN
La Motte Michel, 79270 Le Vanneau
Tel.: +33 (0)5 49 35 15 82 / Fax: +33 (0)5 49 35 02 64
contact.allin@groupe-arbor.com / www.allin.fr

p.1/3 - General



Unbleached Poplar peeled sides 13/10^{ths}
Veneer Quality: II/III
100% Poplar Ply Interiors

Glue: Class 3 - Use in dry or sheltered damp environments.

Glue standard: Standard EN 314

Dimensional Tolerance: Standard EN 315

Density: 420 kg/m³ +/- 10%. Standard EN 323

ADVANTAGES

- Lightweight
- Cutting stability
- Natural light colour
- Good weight/mechanical characteristics ratio

ON

REQUEST

- Format strat 3050 x 1300 mm
- + Calibration Value
- Product certified PEFC™
- Product certified CARB II / TSCA VI

| THICKNESS | PLIES | 2500 x 1220 mm | 3100 x 1530 mm |
|-----------|-------|----------------|----------------|
| | | Pack size | Pack size |
| 5 mm | 3 | 80 pcs | 80 pcs |
| 8 mm | 5 | 50 pcs | 50 pcs |
| 10 mm | 5 | 50 pcs | 50 pcs |
| 12 mm | 5 | 40 pcs | 40 pcs |
| 15 mm | 7 | 30 pcs | 30 pcs |
| 18 mm | 7 | 25 pcs | 25 pcs |
| 22 mm | 9 | 22 pcs | 22 pcs |
| 25 mm | 11 | 20 pcs | 20 pcs |
| 30 mm | 11 | 15 pcs | 15 pcs |

Average weight per pack: 2500 x 1220 = 0,600 ton / 3100 x 1530 = 0,900 ton
Delivery quantity tolerance +/- 10%

Allin Plex 100% Poplar Class 3 is an exterior glued all Poplar Plywood.

Applications: It is designed for interior use or in sheltered damp environments. Furniture, interior design, vehicle fittings...

IMPORTANT Faces and edges with a varnish, stain or exterior saturating product must be applied to avoid damages on wood.



E1

CE⁺



TSCA
Title VI



DATA SHEET



ALLIN PLEX 100% POPLAR CLASS 3



ALLIN
La Motte Michel, 79270 Le Vanneau
Tel.: +33 (0)5 49 35 15 82 / Fax: +33 (0)5 49 35 02 64
contact.allin@groupe-arbor.com / www.allin.fr

p.2/3 - DOP

DECLARATION OF PERFORMANCE (DOP)

| | | |
|---|--|--------------------------|
| N° DOP : | DDP GC-02 | Version 21 of 01/02/2021 |
| Identification code : | EN 636-2 | |
| Type number : | ALLIN PLEX 100% POPLAR CLASS 3 | |
| Intended use : | Use in dry or sheltered damp environments | |
| Manufacturer : | SAS ALLIN - Route de la Couarde - 79270 LE VANNEAU contact.allin@groupe-arbor.com - www.allin.fr | |
| Evaluation and verification of system performance : | CE 2+ | |
| The notified organism : | FCBA 0380 | |
| performed : | initial inspection of the manufacturing facility and control of factory production and monitoring, evaluation and continuous assessment of control of factory production | |
| delivered : | the factory production control certificate : 0380 – CPR – N°213 | |

DECLARED PERFORMANCES :

| Essential characteristics | Performances | | | | | | | | | | | | | | Harmonized technical specification | | | |
|------------------------------------|--------------|--|------|--|--|------|--|------|---------|------|------|--|------|------|------------------------------------|----|--|-----------------------------------|
| | | | 5 | | | 8 | | 10 | 12 | 15 | 18 | | 22 | 25 | | 30 | | |
| Thickness in mm | | | | | | | | | | | | | | | | | | EN 13986 : 2004 + A1 : 2015 |
| Bonding quality | 3 | | | | | | | | | | | | | | | | | |
| Density : Kg/m ³ | 420 | | | | | | | | | | | | | | | | | |
| Reaction to fire | E | | | | | | | | D-s2,d0 | | | | | | | | | |
| Release of formaldehyde | E1 | | | | | | | | | | | | | | | | | |
| STRENGTH : N/mm² | | | | | | | | | | | | | | | | | | |
| Bending // to faces | | | 39,7 | | | 29,2 | | 25,8 | 23,1 | 22,7 | 21,2 | | 19,7 | 20,7 | 20,6 | | | |
| Bending ⊥ to faces | | | 5,3 | | | 15,8 | | 19,2 | 21,9 | 22,3 | 23,8 | | 25,3 | 24,3 | 24,4 | | | |
| Tension // to faces | | | 15,3 | | | 13,1 | | 13,2 | 13,3 | 12,9 | 13,5 | | 11,7 | 12,7 | 13,6 | | | |
| Tension ⊥ to faces | | | 14,7 | | | 16,9 | | 16,8 | 16,7 | 17,1 | 16,5 | | 18,3 | 17,3 | 16,4 | | | |
| Compression // to faces | | | 15,3 | | | 13,1 | | 13,2 | 13,3 | 12,9 | 13,5 | | 11,7 | 12,7 | 13,6 | | | |
| Compression ⊥ to faces | | | 14,7 | | | 16,9 | | 16,8 | 16,7 | 17,1 | 16,5 | | 18,3 | 17,3 | 16,4 | | | |
| Planar shear // to faces | | | 1,1 | | | 1,1 | | 1,1 | 1,1 | 1,1 | 1,1 | | 1,1 | 1,1 | 1,1 | | | |
| Planar shear ⊥ to faces | | | 1,1 | | | 1,1 | | 1,1 | 1,1 | 1,1 | 1,1 | | 1,1 | 1,1 | 1,1 | | | |
| Panel shear | | | 6,0 | | | 6,0 | | 6,0 | 6,0 | 6,0 | 6,0 | | 6,0 | 6,0 | 6,0 | | | |

DATA SHEET



ALLIN PLEX
100% POPLAR
CLASS 3



ALLIN
La Motte Michel, 79270 Le Vanneau
Tel. : +33 (0)5 49 35 15 82 / Fax : +33 (0)5 49 35 02 64
contact.allin@groupe-arbor.com / www.allin.fr

p.3/3 - DOP

D A T A S H E E T

| Essential characteristics | Performances | | | | | | | | | | | | | | Harmonized technical specification | |
|--------------------------------------|--------------|--|-------|--|--|-------|--|-------|-------|-------|-------|--|-------|-------|------------------------------------|-----------------------------|
| | | | 5 | | | 8 | | 10 | 12 | 15 | 18 | | 22 | 25 | | 30 |
| Thickness in mm | | | | | | | | | | | | | | | | |
| ELASTICITY : N/mm² | | | | | | | | | | | | | | | | |
| Bending // to faces | | | 6 170 | | | 4 530 | | 4 010 | 3 590 | 3 530 | 3 300 | | 3 060 | 3 210 | 3 190 | |
| Bending ⊥ to faces | | | 820 | | | 2 460 | | 2 980 | 3 400 | 3 460 | 3 690 | | 3 930 | 3 780 | 3 800 | |
| Tension // to faces | | | 3 560 | | | 3 060 | | 3 070 | 3 110 | 3 010 | 3 150 | | 2 720 | 2 960 | 3 180 | |
| Tension ⊥ to faces | | | 3 430 | | | 3 930 | | 3 920 | 3 880 | 3 980 | 3 840 | | 4 270 | 4 030 | 3 810 | |
| Compression // to faces | | | 2 030 | | | 1 750 | | 1 750 | 1 770 | 1 720 | 1 800 | | 1 550 | 1 690 | 1 810 | |
| Compression ⊥ to faces | | | 1 960 | | | 2 240 | | 2 240 | 2 220 | 2 270 | 2 190 | | 2 440 | 2 300 | 2 180 | |
| Planar shear // to faces | | | 20 | | | 20 | | 20 | 20 | 20 | 20 | | 20 | 20 | 20 | |
| Planar shear ⊥ to faces | | | 20 | | | 20 | | 20 | 20 | 20 | 20 | | 20 | 20 | 20 | |
| Panel shear | | | 450 | | | 450 | | 450 | 450 | 450 | 450 | | 450 | 450 | 450 | |
| Punching shear resistance | NPD | | | | | | | | | | | | | | | EN 13986 : 2004 + A1 : 2015 |
| Impact resistance | NPD | | | | | | | | | | | | | | | |
| Water vapour permeability (μ) | | | | | | | | | | | | | | | | |
| - wet cup | 45 | | | | | | | | | | | | | | | |
| - dry cup | 180 | | | | | | | | | | | | | | | |
| Sound absorption [250-500] Hz | 0,1 | | | | | | | | | | | | | | | |
| Sound absorption [1000-2000] Hz | 0,3 | | | | | | | | | | | | | | | |
| Thermal conductivity (W/m.K) | 0,13 | | | | | | | | | | | | | | | |
| Release of pentachlorophenol (ppm) | < 5 | | | | | | | | | | | | | | | |

The performance of the product identified is in accordance with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

| | | | | | | |
|---|-------------|-----------------|-------|------------|------|------------|
| Signed on the behalf of the manufacturer by : | J. ROUSSEAU | Quality Manager | The : | 01/02/2021 | in : | Le Vanneau |
|---|-------------|-----------------|-------|------------|------|------------|