The carefully engineered multi-layer structure is designed and proven to outperform properties of non-engineered timber. 100% FSC Certified Advanced Laver Timber is better than nature intended.

**THE BENEFITS**

- **STABILITY**
  The multi-layered construction provides ALT with stability and stress properties that far exceed those of non-engineered timber.

- **WASTAGE**
  Advanced Laver Timber is made to measure, resulting in reduced waste and labour cost compared with traditional methods.

- **QUALITY CONTROL**
  ALT is produced under stringent quality control procedures. Every batch is performance tested and samples are kept for each batch produced. Advanced Laver Timber is almost defect free.

- **ENVIRONMENTALLY FRIENDLY**
  Together with 100% FSC Certified timber and waste saving properties, Advanced Laver Timber products contribute to environmental sustainability. All ALT products are Western European manufactured for a minimised carbon footprint.
The innovative new range of engineered hardwoods from Arnold Laver Timber World.

The Science

A multi-ply construction using D4 adhesive is particularly effective in resisting warping and twisting, as the opposing grains even out natural moisture movement. It is the twisting of timber in moist conditions, more than swelling itself, which causes windows and doors to stick. The equal size multi-layer construction has been proven, over many years in Europe, to give increased dimensional stability.

ALT is manufactured using D4 glue, manufactured by Jowacoll. This glue is particularly suitable for timbers being used in areas of increased resistance to humid environments e.g. doors, windows and furniture in high-humidity areas.

All Advanced Laver Timber is S4S and ready to use, for ease of handling and reducing the need for costly re-processing.

Extra care has been taken to ensure the multi-layer structure is colour matched to minimise colour variation.

Advanced Laver Products are supplied in the following specifications. Special orders are available on request with a 4-5 week lead-time.

Standard Stock Sections

All 100% FSC Oak, kiln dried to approx. 10%

Outer layers solid and almost defect free.

Inner layers may be finger jointed and/or edge glued, (except 90mm x 90mm which is sold every layer).

Up to 10mm x 10mm Sapwood permitted on 1 corner of each piece.

Sawn four sides (S4S) after laminating tolerances +2/-0mm

Glue DIN EN 2004 D4 – Cross cut to length.

Specifications

2 Ply European Oak (21/21mm)

For Doorframe sections

42mm x 120mm x 2.1m and 2.4m

3 Ply European Oak (16/16/16mm)

For Doorframe / Stile / Rail sections

48mm x 95mm x 2.1m and 2.4m

48mm x 120mm x 2.1m and 2.4m

48mm x 200mm x 1.2m

3 Ply European Oak (21/21/21mm)

For Door / Window sections

63mm x 75mm x 2.1m and 2.4m

63mm x 95mm x 2.1m and 2.4m

63mm x 120mm x 2.1m and 2.4m

63mm x 200mm x 1.2m

3 Ply European Oak (24/24/24mm)

For Window sections

72mm x 95mm x 2.1m and 2.4m

72mm x 120mm x 2.1m and 2.4m

4 Ply European Oak (18.5/19/19/18.5mm)

For Window sections

75mm x 63mm x 2.4m

3 Ply American White Oak (21/21/21mm)

For Handrails

65mm x 75mm x 4.2m

Top layer solid, bottom layer maximum one joint, inner layer finger jointed.

3 Ply American White Oak (30/30/30mm)

For Newels

90mm x 90mm x 2.1m, 3.0m and 3.6m,

All layers solid.

European Oak

For Stair Strings

30mm x 275mm x 4.8m

Edge glued Oak core, 0.6mm over-veneered, PEFC certified.

Far East production.

Arnold Laver Timber World

www.timberworld.co.uk

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*North East: 0191 428 6666 *Reading: 0118 973 1100 Sheffield Central: 0114 235 7341 *Sheffield Mosborough: 0114 276 4700

* indicates UK, Certified Sources