



HANDOUT 3

Glulam and Laminated Timber

Glulam

- Especially suitable for long span, load-bearing widths.
- Exceptionally strong, used for load-bearing structures where visual appearance is important.
- Versatile material that can be shaped, helping to form spacious buildings.
- Good tensile characteristics make it ideal for bridges.
- Environmentally friendly, low energy product.

Specification

- Made from layers of parallel timber laminates glued together under high pressure.
- Glue is weather resistant and can be either dark or light.
- Excellent fire safety; slow to char, the uncharred section retains its strength.

Standard widths

- From 90mm - 240mm
- Special widths: 265mm and 290mm

Standard lengths

- Up to 2050mm
- Maximum length 31000mm

Species

- Mainly spruce and pine



Laminated Veneered Timber

- Laminated Veneered Timber (LVT) is a modern engineered product, manufactured from rotary peeled veneers glued into continuous panels.
- Excellent bending resistance, tension and compression properties.
- Greater load-bearing capacity than traditional materials.
- Reduced twisting, warping and splitting.
- Easy to build with, providing savings in cost/time.
- Laminated structure can create elegant features.
- Ideal for wall studs because of straightness.
- Can be used for horizontal and vertical solutions.
- Provides dimensional precision, giving architects and specifiers greater design possibilities.
- Good for long spans, with minimal deflection.
- Used for roof and floor joists and lintels/framework studs.
- Ideal for renovation work where strength is needed.
- Timber comes from sustainably managed forests.

Prola



Prolam®



Kerto®



Specification

- 1.8m wide panels can be cut to beam sizes.
- Grain runs longitudinally through the veneer layers.
- Specially kiln dried to 10% moisture content.

Standard widths

- From 20mm - 600mm

Maximum length

- 26m
- Maximum length 31000mm

Thicknesses

- From 27mm - 75mm

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For more information: www.finnforest.co.uk, www.merk.de, www.wisa.com, www.storaenso.com, www.woodforgood.com

