

Wood-based structural materials
(structural materials made of non-lumber components)

Two main types:

1. Composite beams – one-dimensional (one main load-bearing direction)

1a. LVL – Laminated Veneer Lumber (KERTO, MICRO-LAM)

Raw materials

Production technology

Dimensions, areas of utilisation

(1b. Conical LVL)

1c. LSL – Laminated Strand Lumber (Timber-Strand)

Raw materials

Production technology

Dimensions, areas of utilisation

1d. PSL – Parallel Strand Lumber (Parallam)

Raw materials

Production technology

Dimensions, areas of utilisation

(1e. Scrimber)

2. Composite panels – two-dimensional (two main load-bearing directions)

2a. Plywood

2b. OSB

Raw materials

Production technology

Dimensions, areas of utilisation

2d. Inorganic bonded panels

2c. Structural Insulated Panels (SIPs)