

**Classification:**

Manufacturing particle board composites.

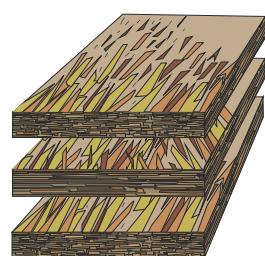
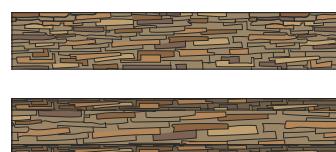
**Materials:**

Waste wood particles from all variety of timbers.

**General description:**

Wood particles mixed with resin which are formed into boards by curing in a heat press.

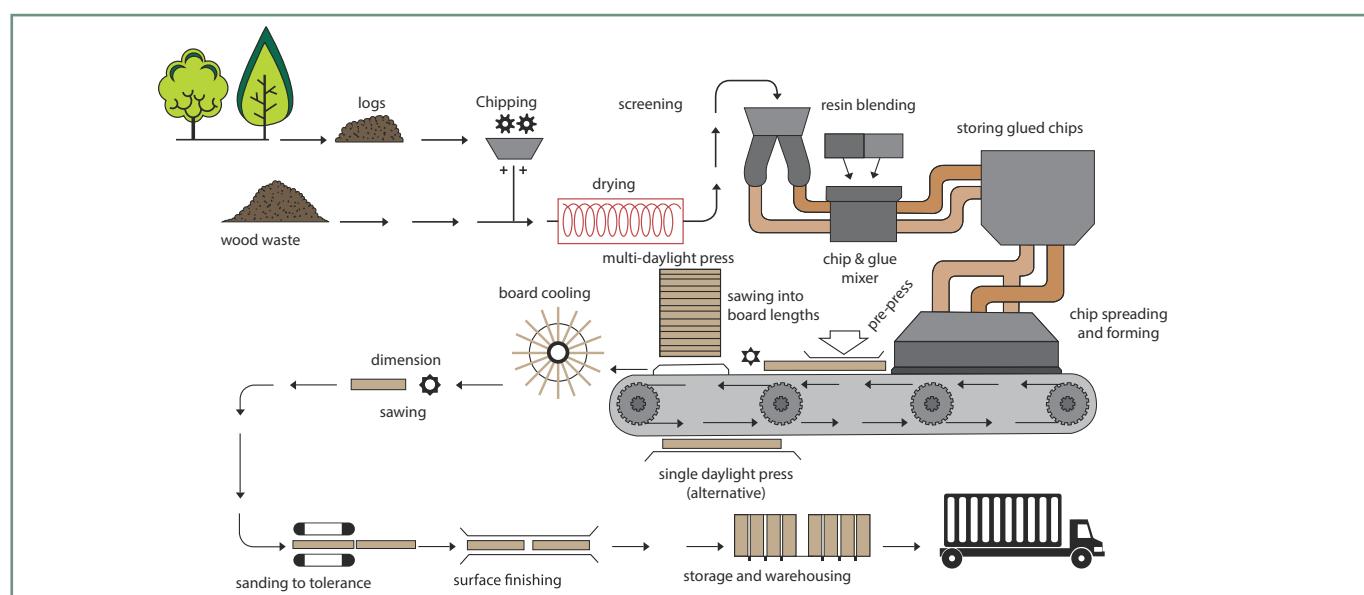
**Example composites:**



Chipboard

Oriented  
Strand board

**Process:**



**Manufacturing Particle Board**

**Preparation**

- Chipping material
- Drying chippings
- Screening to size

**Method**

- Mix chippings with synthetic resin
- Chip spreading
- Press chippings and apply heat
- Cool board
- Dimensioning

**Finishing**

- Sand to tolerance
- Apply surface finish:
  1. Veneer – timber
  2. Melamine thermoset laminate