

OSB How It's Made

LP Building Products pioneered the use of oriented strand technology more than three decades ago, and we remain the world's No. 1 producer of OSB. Our products are created primarily from smaller, faster-growing trees, and we use SFI® certified forest management systems to help ensure that our wood comes from well-managed forests.

1 Log Sorting

After harvest, whole logs are hauled to the mill and sorted by species.

2 Log Pond

Logs may be soaked in water to loosen bark and thaw, if frozen, to ensure quality strands.

3 Debarking

Logs are fed into a machine that removes bark, which is later used as fuel in the plant's energy supply.

4 Stranding

Rotating knives reduce the wood to strands of a specific length, width and thickness.

5 Green Bins

Strands are collected in large storage bins that allow for precise metering into the dryers.

6 Drying

Strands are dried to a target moisture content and then screened to remove small particles that are recycled for fuel in the plant's energy system.

7 Blending

Strands are coated with resin and wax, which enhances the finished panel's resistance to moisture and water absorption.

8 Forming Line

Cross-directional layers of strands are formed into mats.

9 Pressing

Heat and extreme pressure are used to consolidate strands and cure resins to form a rigid, dense structural panel.

10 Finishing Line

Panels are trimmed and cut to size, flooring tongue and groove joints are machined, and edge sealants are applied for further moisture resistance.

11 Shipping

The panels are then loaded and shipped to their final destinations. LP's innovative OSB product lines include LP® OSB Sheathing, LP® LongLength™ OSB Sheathing, LP® TopNotch® Sub-Flooring, LP® TechShield® Radiant Barrier Sheathing, and LP® FlameBlock® Fire-Rated OSB Sheathing.

