

SYP - Finger Joined Studs



Canfor Finger Joined Studs

Canfor manufactures finger joined studs at the Marion remanufacturing facility in South Carolina. Trim blocks from Canfor's primary sawmills in North and South Carolina are used to provide a consistent and steady supply of quality fiber. Depending on requirements, our studs are stamped either No2 or Stud grade.

To meet the requirements of our customers across North America Canfor markets two quality grades of studs. A visual override is applied to the American Softwood Lumber Standard, PS 20, rules and our products are sorted and valued accordingly.

Quality		Sizes	Length (PET)	Grades	Source
Premium	FJ Stud	2x3, 2x4, 2x6	90" - 144"	No2, Stud	Marion
Natural	FJ Stud	2x3, 2x4, 2x6	90" - 144"	No2, Stud	Marion

Finger joined studs are the product of choice for many contractors. The product advantages of finger joined studs are the main driver behind their usage as builders look for more cost effective and efficient materials for the job site.

Benefits of Canfor Finger Joined Studs

All lumber starts its life as a straight piece of wood. However, if not correctly dried or if there are inherent features and defects in the wood there can be a tendency for some pieces to warp over time. This generally happens along the length of the piece. When small pieces of lumber are joined together in a finger joined stud this tendency is removed, as the stresses in each individual piece are not strong enough to move the entire stud. This results in straight and more stable lumber than solid studs.

Finger Joined Studs are accepted by North American Building Code authorities under the following regulations:-

- ICC 2006 International Building Code, section- 2303.1.1.
- AF&PA 2005 National Design Specification®, s.4.1.6
- NRC 2005 National Building Code of Canada, sentence- A-9.23.10.4 (1).
- ICBO 1997 Uniform Building Code, section- 2304.2.
- BOCA 1999 National Building Code, section- 2303.3.
- SBCCI 1999 Standard Building Code, section- 2301.6.

- Finger joined studs should be handled, stored and used in exactly the same way as solid studs.

- Finger joined studs should be utilized according to local building codes and regulations.



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- Canfor finger joined studs are interchangeable with solid studs of the same species and visual grades, including stud and #2.
- Design values (bending, tension, compression, stiffness, nail holding) for finger joined studs and #2 studs are the same as for solid lumber of the same species and grade - the limitation is only short duration loads (such as seismic and wind) for bending and tension.
- As specified on the grade stamp - vertical use only. The finger joined studs cannot be used in horizontal applications such as floor joists or rafters.
- Canfor finger joined studs are manufactured in South Carolina under the American Lumber Standard Committee (ALSC) standards and our third party grading agency (TP) is approved and regulated by the ALSC to assure finger-jointing quality control.
- Quality control programs include regular sampling and testing for bending strength and durability to ensure the joint is not the weakest part of the stud - when tested to failure the sample is inspected to ensure the break occurred in the wood, not in the glue line.
- Quality control tests measure and track the minimum and 5th percentile bending strengths - if any sample or set of samples does not meet targeted strength levels, a detailed testing program must be initiated to ensure it was an anomaly and not indicative of overall product quality.
- Canfor finger joined studs and #2 studs are manufactured with glue that is intended for interior or dry use conditions. This does not mean the joint will degrade when wetted during construction, but it is not intended to withstand long term exposure to moist conditions.
- Maximum length is not to exceed 12 feet.

