

# Laserframe®

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## HOW TO TAKE MOISTURE CONTENT READINGS

LASERFRAME®  
STRUCTURAL  
TIMBER

SG8

LASERFRAME®  
STRUCTURAL  
TIMBER

SG10

LASERFRAME®  
TIMBER

Cavity  
BATTEN

LASERFRAME®  
TIMBER

Ceiling  
BATTEN



STEP 1.

1. The only appropriate moisture meter to be used on site is the 'sliding hammer' type which is a resistance meter with insulated long prongs (30 mm). To use a capacitance meter or short prong resistance meters will almost certainly give false readings.



STEP 2.

2. Identify the treatment type to be measured.

**TIP:**  
If the meter has not been used for some time, check it against the test card. Ensure that the meter is calibrated annually.



STEP 3.

3. Thoroughly check the meter and make sure that the batteries are charged, the electrodes are in good working order and are correctly connected.



STEP 4.

4. Insert the insulated probes to approximately one-third the thickness of the timber, parallel to the grain, and at least 500 mm from an end of the timber.

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Woodproducts New Zealand

Information contained in this document is specific to the CHH Woodproducts range of timber products and cannot be used with any other timber products no matter how similar they may appear.

For further information contact customer services or visit [www.chhwoodproducts.co.nz](http://www.chhwoodproducts.co.nz)

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- Test the areas of framing to which internal linings are installed, such as wall framing, rafters, ceiling battens and floor joists.

**TIP:**  
End grain will dry, or absorb moisture, faster than other areas and may not reflect the true state of the timber.

- Read and record the moisture content percentage of each individual piece of timber identified to be sampled with at least half the samples taken in areas of restricted drying. Increase sampling proportionally for larger buildings.



STEP 6.

- Carefully remove the probes without bending them, use the sliding hammer attached to the longer probes.



STEP 7.

- The meter reading must then be corrected by applying correction figures for treatment type.
- Record the result.



STEP 8.

**DID YOU KNOW:** Concrete dries at a slower rate than timber, any timber in contact with it will also dry more slowly. This can be minimised by using a damp-proof course under all bottom plates.

### MOISTURE METER READINGS

The Boron preservative in Laserframe<sup>®</sup> H1.2 will affect the accuracy of moisture meter readings. For wood that has been allowed to equilibrate with its surroundings (normally 3 to 4 weeks after treatment), the following corrections apply:

BORON CORRECTION TABLE																
Meter Reading % MC	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
True Moisture Content % Conductivity Meter* or Resistance Meter*	13	14	15	16	16	17	18	18	19	20	21	21	22	23	23	24

\* For meters calibrated for Douglas fir.

### Measuring Moisture in Framing

