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RECOMMENDED PROCEDURE FOR TESTING MOISTURE CONTENT OF J-FRAME LVL

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RECOMMENDED PROCEDURE FOR TESTING MOISTURE CONTENT OF J-FRAME LVL

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These notes have been prepared to guide building inspectors and others testing the moisture content of Boron treated J-Frame LVL, for use where Hazard Class H1.2 or less applies. LVL from other manufacturers may have different values in Table1.

For a resistance type moisture meter

1. It is recommended that a sliding hammer type electrode is used to test the moisture content of framing.

2. The resistance moisture meter should be calibrated to the New Zealand calibration standard (AS/NZS 1080.1).

3. Drive the sliding hammer electrode into the framing, with the probes aligned parallel to the wood grain, crossing the glue lines as seen in the photograph, and driven to 1/3 of the thickness of the timber being measured (e.g. 15 mm for 45 mm thick J-Frame LVL).

4. Take the measurement, and note the meter reading.

5. Select the acceptable moisture content value in Table 1 (for example 20%).

6. If 9 out of 10 readings are less than or equal to the corresponding meter reading, the required standard will be met (For example if 20% is the acceptable value, 9 out 10 meter readings must be 36.5 or less).

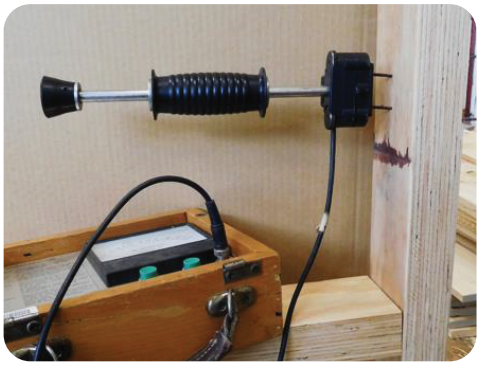

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TABLE 1: Table for converting resistance moisture meter readings to true moisture content for Boron treated J-Frame LVL, for use where Hazard Class H1.2 or less applies, if 10 readings are made.

Acceptable moisture content for closing the building															
10	11	12	13	14	15	16	17	18	19	**20**	21	22	23	24	25
Meter reading for Boron J-frame LVL, for use where Hazard Class H1.2 or less applies															
12.2	12.7	13.9	15.4	17.3	19.6	22.3	25.4	28.7	32.4	**36.5**	41.0	45.7	50.8	55.9	61.9

This table can be used to ensure moisture content of 9 out of 10 boards are below an acceptable moisture content.

For more information on the general use of moisture meters (no LVL corrections), refer to BRANZ Bulletin BU585; Measuring moisture content in timber and concrete.