



Warnock Hersey Professional Services Ltd.

211 Schoolhouse Street, Coquitlam, B.C. V3K 4X9
Tel: (604) 520-3321 Envoy WPM 8076

October 24, 1988

Bed-Roc Industries Ltd.
9188 - 132nd Street
Surrey, B.C.
V3V 7E2

Attention: Mr. Terry Dhami

Dear Mr. Dhami:

On October 5, 1988, the Fire Laboratories Division of Warnock Hersey Professional Services Ltd. performed testing on submitted specimens of 12.7mm ($\frac{1}{2}$ ") cement board. The testing was conducted in accordance with CAN4-S114-M80, "Standard Method of Test for Determination of Non-combustibility in Building Materials".

Three test specimens, 38mm x 38mm x 50mm ($1\frac{1}{2}$ " x $1\frac{1}{2}$ " x 2") were made up by wiring together layers of the 12.7mm ($\frac{1}{2}$ ") board. The specimens were oven dried at $60 \pm 3^\circ\text{C}$ for 24 hours and allowed to cool to room temperature in a dry atmosphere before being tested. The mass of each specimen was determined before and after testing.

The test furnace was heated to a temperature of $750 \pm 3^\circ\text{C}$ and stabilized prior to insertion of a test specimen. The test was continued for a period of 15 minutes. Temperatures at the indicating thermocouple were recorded and visual observations were made throughout the test.

Materials tested in accordance with this procedure, shall be reported as non-combustible if:

- a) The mean of the maximum temperature rise for the three specimens during the test does not exceed 36°C and;
- b) There is no flaming of any of the specimens during the last 14 minutes and 30 seconds of the test and;
- c) The maximum loss of mass of any of the specimens does not exceed 20 percent.

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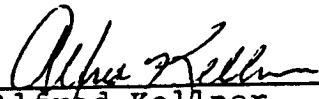
The average maximum temperature rise of the three specimens did not exceed the limit of the standard (Figure 1, Table 1-TC3). There was no visible flaming of the specimens throughout the test and the maximum loss in mass for any specimen was 9.3%.

The submitted sample complied with the conditions of the test procedure for classification as a non-combustible material.

Yours truly,


WARNOCK HERSEY PROFESSIONAL SERVICES LTD.

Tested By:



Alfred Kellner
Technician
Fire Laboratories Division

Reviewed By:



Marshall H. James
Supervisor
Fire Laboratories Division

AK/mam 88.10.24
Enclosure