

Reference: File MH46971

Project 4789694125

Subject: Combustibility of “Model P.V.S coated steel”

The following is a summary of the test results obtained on coated sheet steel designated by FLEXMASTER CANADA LTD as “Model P.V.S coated steel” under Project 4789694125. The testing was conducted at UL’s test facility in Northbrook, IL and completed on December 10, 2020.

The tests were conducted in accordance with the Standard, ULC-S135:2004-AM1-R2016, *Standard Method of Test for Determination of Combustibility Parameters of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter)*, Second Edition (including Amendment 1, reaffirmed April 2016).

## **RESULTS:**

Section 3.1.5.1.(2) of the National Building Code of Canada, Fourteenth Edition, dated 2015, states:

*Notwithstanding the definition of noncombustible materials stated in Article 1.4.1.2. of Division A, a material is permitted to be used in noncombustible construction provided that, when tested in accordance with ULC-S135, “Test Method for the Determination of Combustibility Parameters of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter),” at a heat flux of 50 kW/m<sup>2</sup>,*

- a) its average total heat release is not more than 3 MJ/m<sup>2</sup>,*
- b) its average total smoke extinction area is not more than 1.0 m<sup>2</sup>,*
- c) the test duration is extended beyond the time stipulated in the referenced standard until it is clear that there is no further release of heat or smoke.*

The results of this investigation, summarized in Table 1, indicates that the “Model P.V.S coated steel” evaluated does comply with the requirements of Section 3.1.5.1.(2) of the National Building Code of Canada, Fourteenth Edition and, therefore, such products may be permitted to be used in noncombustible construction.