

## FIRE STATEMENT | e-MINERAL MINERAL FIBRE CEILINGS



AS ISO 9705-2003 & AS 5637.1:2015

The National Construction Code of Australia (NCC) and AS 5637.1:2015 stipulates the classification of materials by Group Number, which indicates the amount of time taken for the material being tested to reach flashover under AS ISO 9705-2003 test conditions. The NCC and AS 5637.1:2015 define flashover to be a Heat Release Rate of 1 MW, so materials are classified, in accordance with NCC 2016 spec Cl.10 and AS 5637.1 2015, by the time taken for the Heat Release Rate, as measured during the AS ISO 9705 test, to reach 1 MW per the scheme below.

Assigning group number requirements according to AS 5637.1:2015 clause 4.2 are listed below.

- Group 1 material that does not reach flashover when exposed to 100 kW for 600 s followed by exposure to 300 kW for 600 s.
- Group 2 material that reaches flashover following exposure to 300 kW within 600 s after not reaching flashover when exposed to 100 kW for 600 s.
- Group 3 material that reaches flashover in more than 120 s but within 600 s when exposed to 100 kW.
- Group 4 material that reaches flashover within 120 s when exposed to 100 kW.

### MBS ARCHITECTURAL CLASSIFICATION

MBS Architectural have carried out a series of fire tests in accordance with the above standard for our e Mineral Fibre ceiling systems and associated products including:

#### Test:

AS 5637.1:2015 Determination of Fire Hazard Properties. The test method is according to AS ISO 9705-2003 (R2016) Fire Tests – Full-Scale Room Test for Surface Products.

#### Results:

The fire test was conducted in accordance with AS ISO 9705-2003 (R2016) Fire Tests – Full-Scale Room Test for Surface Products, report no. CZFS2407000682FF-01.

**Classification: Group 1.**  
**SMOGR<sub>RC</sub> 0.4m<sup>2</sup>/s<sup>2</sup> x 1000**

Please contact our office for further information with regards to Enterprise Architectural fire testing.