



# Kooltherm® K10 FM G2 Soffit Board

## AS/NZS 5637 AND WHY WE HAVE CHANGED

### Current Situation

*Kingspan Kooltherm® K10 FM Soffit Board* is currently a Group 1 surface lining material under the National Construction Code (NCC).

In order to gain a Group Number under the NCC, foil faced internal lining materials are to be tested under the AS ISO 9705 test method.

Once tested, a Group Number is assigned in accordance to the performance of the product during the appropriate testing.

Under previous versions of the NCC, if a soffit material was tested using the AS ISO 9705 test it was acceptable to test the product in its application (i.e. installed in the ceiling only). However a new standard, AS 5637, has now been called up in the NCC. This standard accepts the AS ISO 9705 test method but it also stipulates that for determination of a Group Number the material must be installed in the ceiling **and** the walls of the test room. Therefore, any product currently claiming a Group Number in accordance with AS 5637 must have been tested under these same conditions.

*Kingspan Kooltherm® K10 FM Soffit Board* acquired its Group 1 certification under the previous AS ISO 9705 testing method, with materials lining the ceiling only.

### Transition Period

The AS/NZS 5637 standard requiring the product to be tested in both the ceilings and the walls of the test room was first called up in the NCC in 2016. All test reports reporting a Group Number under previous versions of the NCC are acceptable until 1st May 2019<sup>1</sup>.

This means all products tested under the AS ISO 9705 test method before the introduction of the new standard in 2016, are currently in a grace period, and remain compliant until the deadline in May 2019. After the deadline, all Group Numbers will need to be compliant with AS/NZS 5637 and tested to AS ISO 9705 with materials lining both ceilings and walls.

*Kingspan Kooltherm® K10 FM G2 Soffit Board* has already undergone the AS ISO 9705 wall and ceiling test and achieved a Group 2 (G2) rating under AS 5637. This means Kingspan's *K10 FM G2 Soffit Board* is rated as a Group 2 surface lining product as a Deemed-to-Satisfy solution under the NCC.

A Group 2 rating is suitable in most applications excluding fire isolated exits, fire control rooms, unsprinklered public corridors in either Class 3 buildings or in Class 9b buildings (other than schools)<sup>2</sup>. In such applications, Kingspan recommend the use of their *Kingspan Kooltherm® K10 Plus Soffit Board* product.

<sup>1</sup> NCC 2016 Vol 1 Specification A1.3

<sup>2</sup> NCC 2016 Vol 1 Specification C1.10 Table 3

#### Kooltherm® K10 FM



NCC Classification: AS ISO 9705

AS / NZS 5637

#### Kooltherm® K10 FM G2



NCC Classification: AS/NZ 5637



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