



## Test Report

**DATE ISSUED:** 4 April 2023

**ITEM(S) TESTED:** Kingspan Kooltherm K10 G2

**CLIENT'S NAME:** Kingspan Insulation NZ Limited  
11 Turin Place  
Otara  
Auckland 2013  
New Zealand  
  
Attention: Tongtong Yu

**CLIENT'S REFERENCE:** Email

**TEST SPECIFICATION:** Clause 2.6.3 Building insulation abutting or covering luminaires of AS/NZS 60598.2.2:2001, including Amendment A, in conjunction with AS/NZS 60695.11.5:2005

**DATE OF TEST COMPLETION:** 4 April 2023

**SUMMARY OF RESULTS:** The sample building insulation complied with the requirements of the test specification for a 30 s needle flame test and a 90 °C thermal test, for use with IC-F, IC and CA 80 recessed luminaires.



All tests reported herein have been performed in accordance with the Laboratory's scope of accreditation, Accreditation Number: 42

Approved Signatory: G I Dix



Checked By: K Manson



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<b>Test item description</b> ..... :	
Manufacturer, Supplier .....	Kingspan
Model/Type reference..... :	This Report includes the following models: Kooltherm K10 G2 90 mm and 25 mm thickness
Ratings..... :	Building insulation for use with IC-F, IC and CA 80 recessed luminaires.

<b>Test item particulars</b> ..... :	
Classification of installation and use .....	Recessed luminaire
Supply Connection..... :	NA

<b>Possible test case verdicts:</b>	
- test case does not apply to the test object..... : NA (Not Applicable)	
- test case not applied to the test object..... : NAS (Not Assessed)	
- test object does meet the requirement..... : C (Complies)	
- test object does not meet the requirement .....	DNC (Does Not Complies)
- content of clause of test specification noted.....	N (Noted)

**General remarks:**

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. The test results presented in this report relate only to the item(s) and/or (samples) tested.

"(see remark #)" refers to a remark appended to the report.

"(see Annex #)" refers to an annex appended to the report.

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a point is used as the decimal separator.

Clause numbers between (brackets) refer to clauses in IEC 60598-1 modified.

Clause numbers between [brackets] refer to clauses in IEC 60598-2-2 modified.

In general, the most unfavourable results are provided.

**General product information:**

Building insulation with facing materials

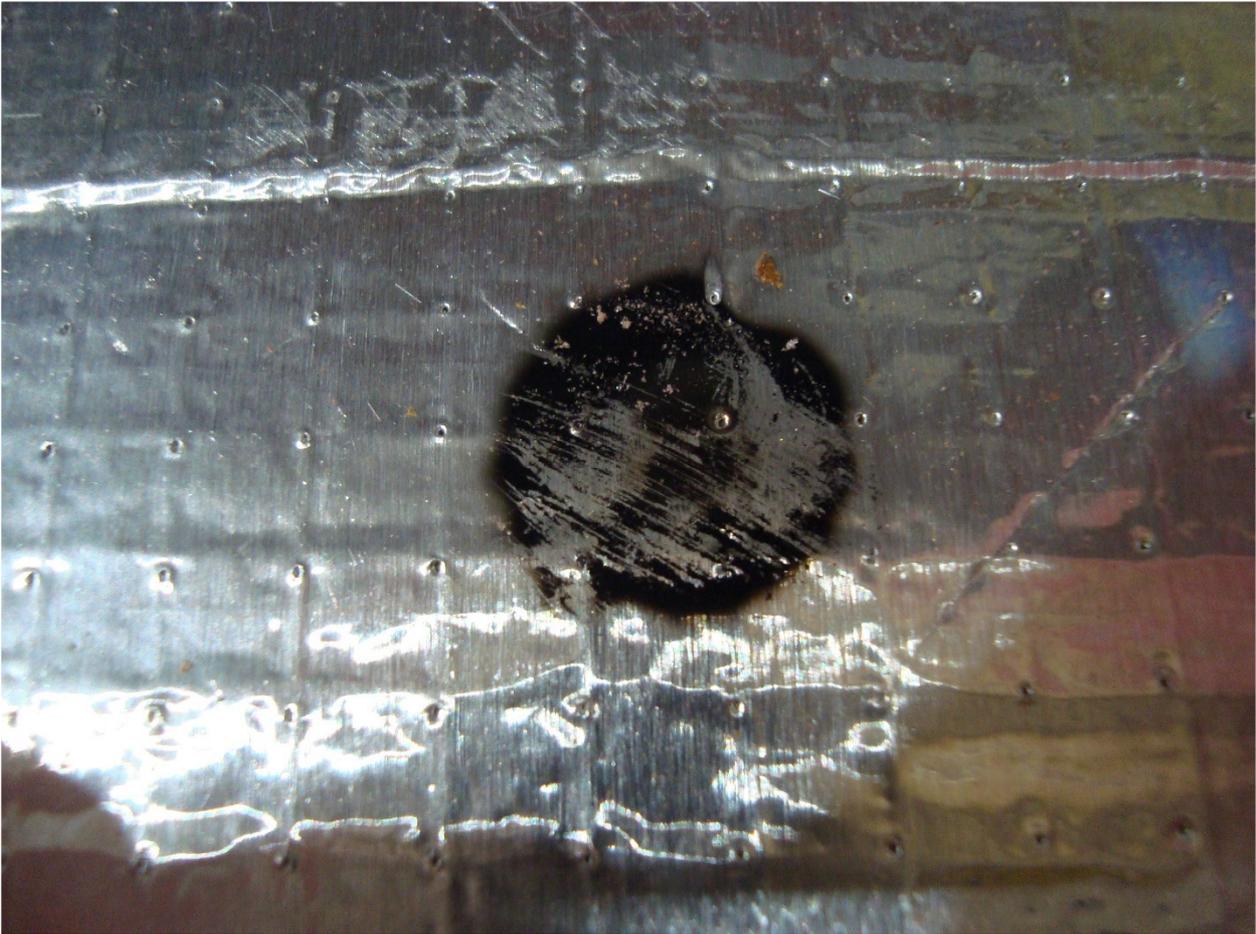
Refer to enclosure of pictures.

IEC 60598-2-2			
Cl.	Requirement – Test	Result	Verdict

2.1 (0)	SCOPE		
2.1 (0.1)	Scope and object .....		N

[2.6.3]	Building insulation abutting or covering luminaires	For IC-F, IC and CA 80 recessed luminaires	C
	a) Maintain dimensions and structural integrity	Maintained at 90 °C	C
	b) Withstand 30 s needle flame test	Flames and/or glowing of the test samples extinguished within 1 s after the removal of the needle-flame.	C

## Pictures



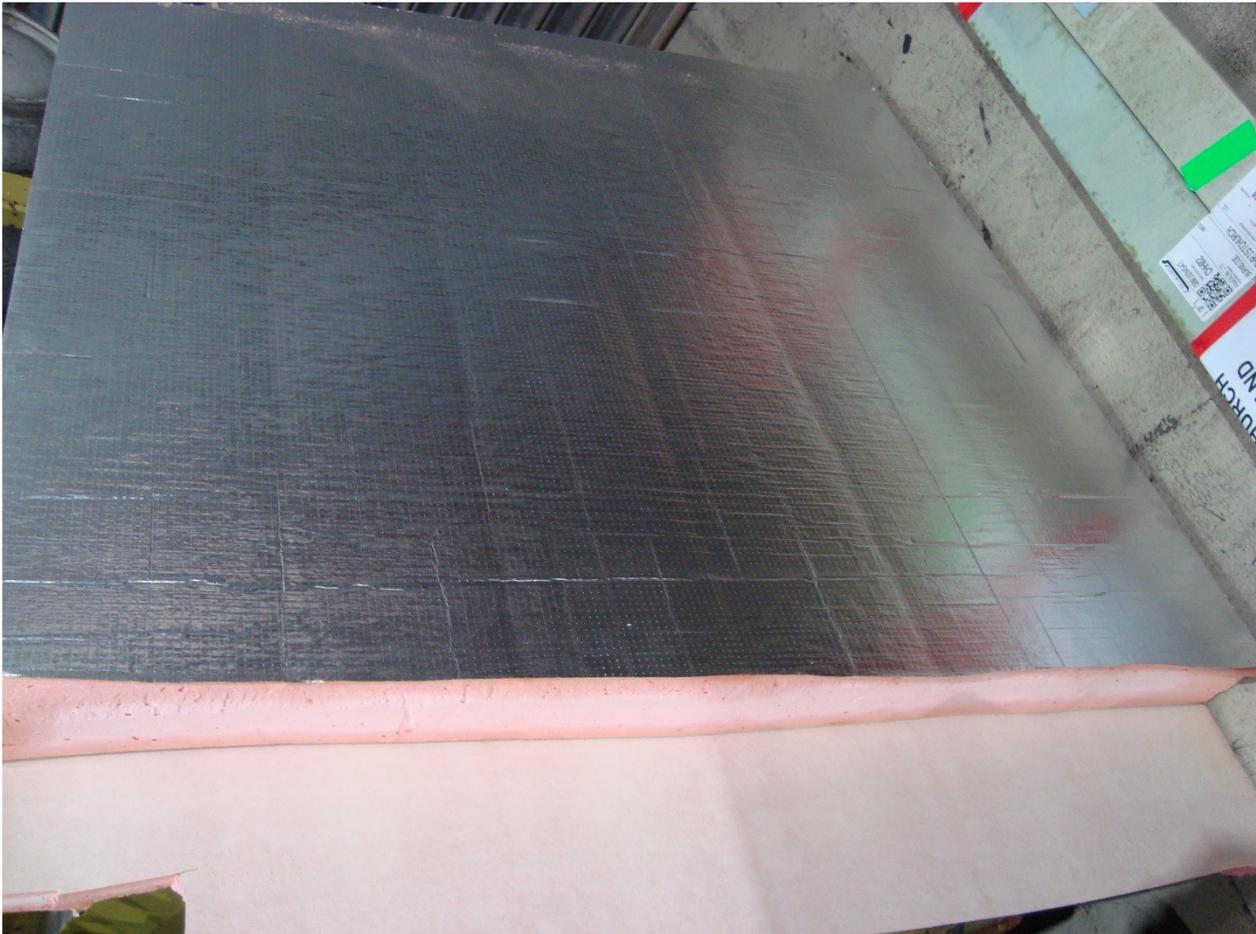
Discoloration of metallic facing material due needle flame



Charing of non-metallic facing material due needle flame



Charing of insulation material due needle flame



Sheet of 90 mm



90 mm thickness



25 mm thickness