FC20317-01-1-C1
Group Number Classification

This is to certify that the specimens described below have been examined according to ISO 9705:1993 and AS ISO 9705:2003 (R2016) by BRANZ on behalf of the sponsor.

Sponsor
Kingspan Insulation NZ Ltd
11 Turin Place
Otara
Auckland, 2013
New Zealand

Reference BRANZ Report
FC20317-01-1 – 7 July 2025

Referenced Standard(s)
ISO 9705:1993, AS 5637.1:2015
AS ISO 9705 – 2003 (R2016),

Specimens Name: Kingspan Kooltherm K17 Insulated Plasterboard

Specimen Description: Kingspan Kooltherm K17 Insulated Plasterboard with varying total panel thicknesses of 35 mm to 100 mm composed of a 10 mm thick paper-faced plasterboard facing laminated to the foil facing of Kingspan Kooltherm K10 G2 Soffit Board. The plasterboard and the thermoset phenolic foam have a client stated nominal density of 700 kg/m³ and 52 kg/m³ respectively.

The Kingspan Kooltherm K10 G2 Soffit Board consists of thermoset phenolic foam core with a BRANZ measured nominally 50-micron thick reinforced foil facing and a BRANZ measured nominally 400-micron thick glass fibre tissue facing adhered to the back. The BRANZ measured density of the thermoset phenolic foam core only is 41.5 kg/m³, this does not include the facers.

Orientation: Exposure from plasterboard facing

Installation: The panels should be installed according to the manufacturer's specifications for the installation of Kingspan Kooltherm K17 Insulated Plasterboard. Refer to the appendix in report BRANZ assessment report FC20317-01-1. The installation of Kingspan Kooltherm K17 Insulated Plasterboard panel thicknesses of less than 55 mm, the panels will be installed with a 10 mm standard paper-faced plasterboard substrate or an equal or less combustible substrate when installing to steel or timber framing. In all cases the panels must be installed with perforated jointing tape, and base coat and topcoat stopping compounds applied to all panel joins and over each fixing.

The assessed results are as follows:

Regulatory authorities are advised to examine FC20317-01-2 before approving any product.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	**Group Number 1-S** Average Smoke Production Rate not more than 5 m^2/s
NCC 2022 Volume One, Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015	**Group 1** The SMOGRA not more than 100 m^2/s^2 x 1,000

Issued by

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