



## TECHNICAL BULLETIN NO. 16

**PRODUCT:** XFLAM® INSULATION

**March 2016**

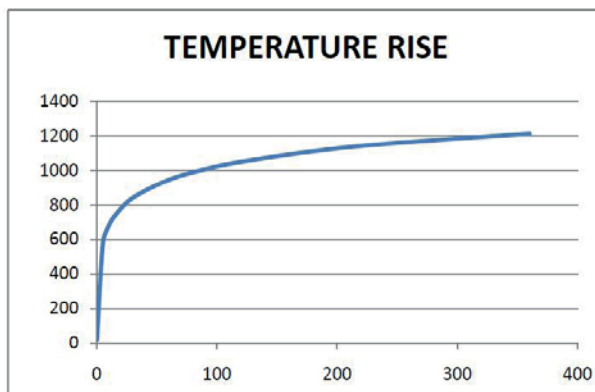
**SITUATION:** FIRE RESISTANCE OF XFLAM® PANEL CEILING.

**APPLICATION:** THE AUSTRALIAN AND NEW ZEALAND BUILDING CODES CALL UP TEST METHOD AS1530.4 FOR FIRE RESISTANCE OF HORIZONTALLY INSTALLED PANEL.

**ISSUE:** Safe evacuation for occupants of buildings in the event of fire is a typical application for the use of materials such as XFLAM® Panel. The purpose for constructing fire resistant ceilings is to prevent spread of fire from one room to an occupied space above, allowing time for orderly escape before a rise in temperature becomes critical.

**BACKGROUND:** A test ceiling of 100mm XFLAM® Panel was constructed and tested horizontally on the furnace using test method AS1530.4 for fire resisting ceiling constructions. In this test, three of the test sample edges are attached to the test frame while the fourth edge is floating to simulate a ceiling longer than 4m.

This successful test makes XFLAM® Panel the only insulated panel available in Australia or New Zealand tested to AS1530.4 as a fire rated ceiling. Please consult ASKIN for fixing details required for this application.



*A standard time temperature curve defined in the standard is followed for the furnace heating. For non-load bearing applications results are expressed in minutes for each of integrity and insulation.*

Test Results - XFLAM® Ceiling

PANEL THICKNESS	INTEGRITY (MINS)	INSULATION (MINS)
100mm	60	30

Approval

Technical Manager  
XFLAM Pty Ltd

References:  
EWFA Report No. 38020000.2 Nov 2015