



TECHNICAL BULLETIN NO. 3

PRODUCT: XFLAM® INSULATION

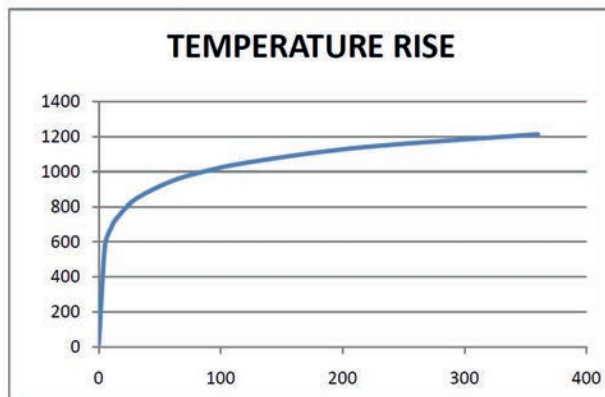
AUGUST 2006

SITUATION: FIRE RESISTANCE OF XFLAM PANEL

APPLICATION: THE AUSTRALIAN AND NEW ZEALAND BUILDING CODES CALL UP TEST METHOD AS 1530.4 FOR FIRE RESISTANCE.

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 walls is to allow time for the orderly escape of occupants before a rise in temperature becomes critical.

BACKGROUND: Test walls of 50mm thickness and 100mm thickness were constructed in a test frame fastened to a standard fire resistance testing furnace.



*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

PANEL THICKNESS	INTEGRITY (MINS)	INSULATION (MINS)
50mm	121	15
100mm	130	31

Approval

Technical Manager
XFLAM Pty Ltd

References:
93872R01.DOC Holmes Fire & Safety Report August 2006
BRANZ Report FR3492 September 2005