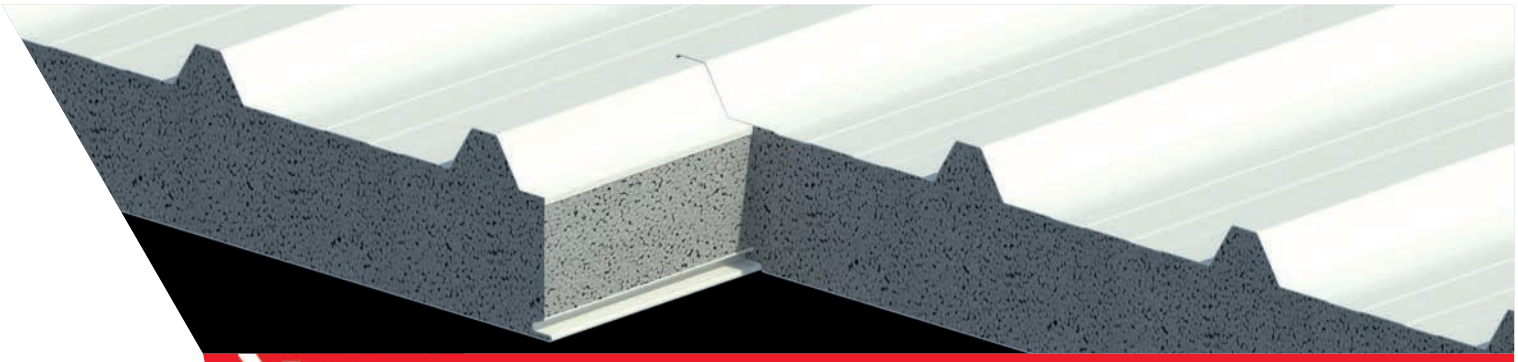

TECHNICAL BULLETIN NO. 12

PRODUCT: XFLAM® INSULATION **FEBRUARY 2013**

SITUATION: REGION C & D CYCLIC LOADING

APPLICATION: NCC VOL1 SPECIFICATION FOR STRUCTURES

ISSUE: AS/NZS 1170.2 SECTION 2 CONTAINS CLAUSE 2.5.5 COVERING PERFORMANCE OF FATIGUE-SENSITIVE ELEMENTS.

BACKGROUND:

In regions C and D, cladding, its connections and immediate supporting members and their fixings are required to demonstrate performance under the pressure sequences defined in AS4040.3 and the Building Code of Australia.

AS4040.3 defines a cyclic pressure testing regime of 10,201 cycles at a rate not exceeding 3Hz and a 1 min hold at the maximum pressure single cycle. This test is applied to wall cladding.

BCA Specification B1.2 clause 2 Low-High-Low (LHL) pressure sequence applies to metal roof cladding providing for 10,361 cycles at a rate not exceeding 3Hz and a 10sec hold at the maximum pressure single cycle.

XFLAM Flat Panel has successfully completed testing at 12kPa under AS4040.3.

XFLAM Metric panel has successfully completed testing at 12kPa under BCA Specification B1.2 LHL.

These successful passes demonstrate XFLAM panel products are suitable for cladding and roofing use in the most severe cyclone prone environments of Regions C & D.

Contact your local XFLAM office for detailed assistance on panel performance, fastenings and purlin recommendations.

Approval

Technical Manager
XFLAM Pty Ltd

References:
Adalaide University report CI20602-W7
Adelaide University reports CI20602-R7, CI20602-R8, CI20602-R9

Rev: May 2014