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27/03/2024

Selleys Pty Ltd
1 Gow Street
PADSTOW NSW 2211

Attn: Heidi Stevens

Selleys Consulting & Product Development - Selleys Fireblock XT (suitable for use in wall systems rated up to R_w 60) - Acoustic Opinion

This letter provides our opinion regarding the acoustic performance of Selleys Fireblock XT sealant and the proposed changes in formulation. This opinion is a continuation of the previous opinion provided by this office (ref: 20150033.1/1201A/R0/VF, dated 12th January 2015).

It is understood that the current uncured (theoretical) specific gravity of the sealant is 1.499 and will change to a theoretical 1.494 based on the new formulations.

Based on this difference, there would be no measurable difference in performance, Therefore, our previous opinions remain as follows:

- A single bead of Fireblock XT installed in accordance with the manufacturer's recommendation would typically be suitable for use in the following walls:
 - Up to R_w 45 for 15mm sealant depth where the area of gap is 2% of the wall area.
 - Up to R_w 47 for 15mm sealant depth where the area of gap is 1% of the wall area.
 - Up to R_w 50 for 15mm sealant depth where the area of gap is 0.5% of the wall area.
- A double bead of Fireblock XT installed in accordance with the manufacturer's recommendation would typically be suitable for use in the following walls:
 - Up to R_w 55 for 15mm sealant depth where the area of gap is 2% of the wall area.
 - Up to R_w 57 for 15mm sealant depth where the area of gap is 1% of the wall area.
 - Up to R_w 60 for 15mm sealant depth where the area of gap is 0.5% of the wall area.

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On this basis, Selleys Fireblock XT is suitable for use in wall systems rated up to R_w 60. Where a guarantee of acoustic performance is required then specific advice from an acoustic consultant should be sought as to the performance of the sealant in that application.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'A. Zappia', with a long horizontal flourish extending to the right.

Acoustic Logic Pty Ltd
Adrian Zappia
MAAS