

24 May 2018

Bostik New Zealand Limited
PO Box 35-093
Naenae
Lower Hutt 5041

Attention: Monique Parsler

Dear Monique,

BOSTIK FIRE TECH FIRECAULK OPINION

As requested, Marshall Day Acoustics has assessed the performance of the Bostik Fire Tech Firecaulk for use as a sealant for sound rated walls.

The following characteristics are important when considering the use of a sealant for acoustical purposes.

- Density should be similar to the lining materials
- Sealant should not be porous
- It should not set rigidly and should allow joint movement of $\pm 15 - 20\%$ minimum
- Will adhere to the construction materials from which the sound rated wall is constructed (typically timber, plasterboard, concrete), preferably without the use of a primer, and will adhere to a damp substrate
- Does not shrink by more than 10 – 15% when it dries
- Will easily flow into gaps of 3 – 10mm width

We have examined the physical properties of the sealant and consider that they would be suitable for use on timber frame plasterboard walls rated up to STC 60. Typical Winstone Wallboard systems that the sealants would be suitable for are given in Table 1 (reference: Gib® Noise Control Systems, September 2017). Winstone Wallboards installation instruction and Bostik instructions for use must be followed.

Table 1: Winstone Wallboard systems that sealants would be suitable for

Winstone Wallboard System	STC Rating
GBTLA 30a	58
GBTLA 30b	58
GBTLA 60	60
GBSA 60c	59
GBSA 30b	59
GBSA 45	60
GBSA 30s	55
GBSA 90s	60
GBSJA 60	56
GBDFA 60b	57
GBSCA 45	56
GBSCA 60a	56

These examples are informative only and the sealants could be used on other constructions.

We trust this information is satisfactory. If you have any queries or require any further assistance please do not hesitate to contact us.

Yours faithfully

MARSHALL DAY ACOUSTICS LTD

Micky Yang

Acoustician