



# Martini FLANK GUARD

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Easy to install noise barrier for commercial ceiling voids

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CSR

## Martini Flank Guard

- Martini Flank Guard is thermally bonded polyester fibre insulation specifically designed to reduce flanking sound transmission through suspended ceiling voids in offices and institutions such as education, healthcare and civic buildings.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in standard white colour.

## Applications

Martini Flank Guard is designed to fill the void above partition walls to control flanking noise between adjoining spaces in commercial and multi-residential buildings.

## Acoustic Performance

When placed between a concrete slab soffit and the top junction of a plasterboard partition wall, Martini Flank Guard can achieve a sound transmission reduction of up to 9–16 decibels across a range of frequencies including general speech range frequencies – the most common nuisance noise in commercial buildings.

Martini Flank Guard has a Noise Reduction Coefficient (NRC) of 0.85 as tested in accordance with AS/ISO 354-2006.

## Martini Flank Guard

## Environmental Benefits and Credentials

Manufactured from thermally bonded polyester fibre with up to 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles.

- GreenTag<sup>Cert</sup>™ certified
- Environmental Product Declaration (EPD) Certified in accordance with ISO 14025
- Product Health Declaration (PHD) certified
- Declare certified
- Suitable for Green Star™ projects
- No red list chemicals are present
- No ozone-depleting gases are used during the manufacturing process
- Volatile organic compounds (VOCs) generated in the manufacturing process is classified as low (0.01 mg/m<sup>3</sup>)s
- Safe, non-irritant, non-toxic, and non-allergenic
- Products are 100% recyclable
- High reuse potential



Martini's Product Stewardship Program can be viewed at [www.csmartini.com.au](http://www.csmartini.com.au)

## Product Specifications

Length (mm)	1200
Width (mm)	600
Batts /pack	8
Product Code	472920

## Acoustic Performance

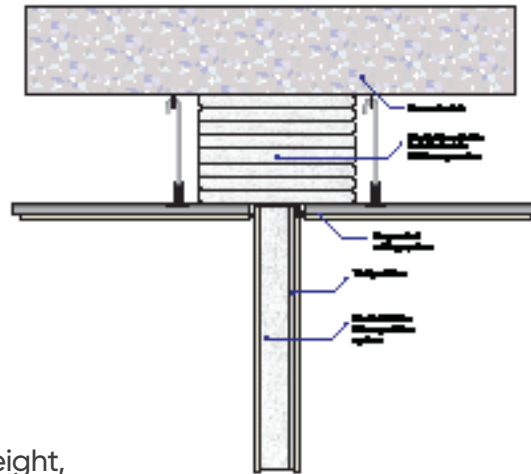
Frequency (Hz)	Installed Product Density: 15kg/m <sup>3</sup> Stock Compression: 33%
63	8.0
125	10.4
250	12.6
500	15.4
1000	18.3
2000	21.3
4000	25.2
8000	31.7

Density compressed as a kg/m<sup>3</sup> is a calculation of Product Weight (gsm) divided by nominal thickness. Martini Flank Guard has a non compressed thickness of 100mm and a nominal net weight of 1,000gsm. Standard product density (un-compressed) is 10kg/m<sup>3</sup>.

## Installation

Martini Flank Guard is easy to install in ceiling voids. The product is packaged in a compressed form to a thickness of 450mm. One pack of Martini Flank Guard is designed to fit in a ceiling soffit height of 600mm. To work effectively, Martini Flank Guard must be compressed by 30%.

If the void is greater than 600mm in height, add one extra batt for every 65mm over 600mm. The product can be made to order to suit other void heights subject to minimum quantities.



### Installed in five easy steps:

1. Cut off both ends off the pack leaving the batts in the remaining sleeve.
2. Insert the batts in their sleeve into the void.
3. Centre the pack length-ways to follow the partition centre line.
4. Slit the remaining plastic sleeve and remove; the batts will then expand to fill the void. At 600mm void height, 30% compression is achieved.
5. Adjust batts to form an even stack for the next pack to adjoin to.

Where services such as HVAC ducts, pipes and cable trays run through the void then batts should be installed individually under, over and around the obstruction to a suitable compression.



## Physical description and properties

- Flash point:** None allocated
- Other properties:** Non-allergenic, low irritant, low flame response, resilient
- Ingredients:** Organic, long chain synthetic polymer
- Max service temp:** 150°C
- Alkalinity:** pH 7.8 (pH 7 is neutral)
- Moisture absorption:** Exposure to an atmosphere of 50°C and 95% RH for four days gives moisture absorption of less than 0.2% by volume

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