



# Martini Commercial Acoustic Insulation

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CSR

## About CSR Martini

**At CSR Martini, we know the difference between sound and noise.**

Proudly Australian Made with over 29 years of experience behind us, our acoustic products have been specifically engineered to perform across multiple environments – and even within different interior spaces.

Offering non-exposed insulation, semi-exposed absorptive products and decorative acoustic solutions to be used alone or in combination, we are the experts at integrating design and performance so that your desired outcome is reached both functionally and aesthetically.

From prominent Australian landmarks to industrial overhauls, whether it be for a commercial, hospitality or cultural space, recording studio, schools, theatres or convention centres, we sustainably engineer solutions for the most challenging acoustic layouts to ensure auditory excellence.



## Why Acoustics Matter

**We believe that sound can impact our environment for better or worse.**

Studies show that poor acoustics can reduce student learning, productivity in workplaces, affect hospital recovery periods, as well as detract from our experience in social settings. The effects are wide and far reaching.

Couple this with increased trends towards more collaborative, open-plan spaces, actively managing noise levels is paramount to ensure you get the most out of your surroundings.

At CSR Martini, we engineer environments that transform the collective experience of those within them, reducing the impact of noise where it's not wanted.

**Experience the difference with our range.**





## Environment

At CSR Martini, we believe we all have a role to play in looking after the environment. No doubt you feel the same

To us, it's not just about creating exceptional quality products. We ensure our manufacturing impact, our footprint and every single touch point from production to final delivery is considered.

Why? Because as a responsible corporate citizen, we are committed to leaving our next generation and the world better than we found it.

But actions speak louder than words. We are proud to say we are leading the way by ensuring our products, along with our manufacturing process, have been certified to independent environmental and product health assessments.

- Products with recycled content reduce greenhouse gas emissions
- High reusable potential
- Products manufactured from thermally

bonded polyester fibre have a minimum of 60% recycled fibre content from PET packaging such as empty drink bottles

- The products are 100% recyclable
- No ozone-depleting gases are used during the manufacturing process
- No red list chemicals are present
- Safe, non-irritant, non-toxic, and non-allergenic

### CSR Martini products are proudly:

- GreenTag<sup>Cert</sup>™ certified
- Environmental Product Declaration (EPD) certified in accordance with ISO 14025
- Product Health Declaration (PHD) certified
- Declare certified



## High Performance Commercial Insulation

In some applications, acoustic performance governs over aesthetics. CSR Martini manufactures a range of speciality high performance acoustic insulation to meet these demanding acoustical challenges.

# Martini SOFFIT

High performance under slab soffit acoustic insulation



A high performing exposed insulation solution, Martini Soffit allows you to maintain design integrity of a building with exposed ceilings and still get all the acoustic benefits. Sheets can come precision cut to size with pre-drilled holes for ease of installation.

## Product Properties

- Martini Soffit is our number one Acoustic Insulation product for exposed areas.
- Thermally bonded polyester fibre insulation specifically designed to provide high performance sound absorption across a range of frequencies.
- Made in a range of densities and thicknesses with fibre blends specifically engineered to provide maximum acoustic performance in diverse commercial, community and industrial applications.
- Laminated smooth surface provides a decorative finish showcasing an aesthetically pleasing solution.
- Pre-drilled holes allow for straightforward installation, reducing labour costs.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in black, white and grey

## Applications

Martini Soffit is ideal for use as a slab soffit liner for exposed areas in commercial buildings, sports halls, cinemas, studios, and retail spaces.

## Product Specifications

| Product             | Thickness (mm) | Length (mm) | Width (mm) | Sheets /pack | m <sup>2</sup> /pack |
|---------------------|----------------|-------------|------------|--------------|----------------------|
| XHD 50 <sup>^</sup> | 50             | 2400        | 1200       | 6            | 17.28                |
| XHD 75              | 75             | 2400        | 1200       | 4            | 11.52                |
| XXHD 50             | 50             | 2400        | 1200       | 3            | 8.64                 |

<sup>^</sup>Available with uncontaminated surface. If a decorative finish is required, dECO Quiet Panel is recommended.

## Martini Soffit Sheet Product Information

| Product | Soffit XHD 50 | Soffit XHD 75 |
|---------|---------------|---------------|
| R-Value | 1.35          | 1.95          |



# Martini ABSORB

High performance sound absorptive insulation



Martini Absorb is a high-performance sound absorptive insulation to control reverberated noise in building interiors. Ideal for semi exposed areas such as behind perforated panels or cavity infills for sound absorption across a wide range of frequencies.

Martini Absorb is available in sheets or rolls and is a solid, scientifically proven all-rounder. Thermally bonded polyester fibre insulation specifically designed for semi exposed areas to provide high performance sound absorption across a range of frequencies.

## Product Properties

- Made in a range of densities and thicknesses with fibre blends specifically engineered to provide maximum thermal and acoustic performance in many diverse commercial, residential, community and industrial applications.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in standard white colour. Black or grey available upon request.

## Application

Martini Absorb is ideal for use behind perforated panelling and ceilings in sports halls, cinemas, studios, industrial enclosures, HVAC ducts, silencers or plant rooms. Martini Absorb can also be laid above suspended ceilings. Absorb is not suitable for fully exposed applications or where a decorative finish is required.

## Product Specifications

| Product  | Thickness (mm) | Length (mm) | Width (mm) | Sheets /pack | m <sup>2</sup> /pack |
|----------|----------------|-------------|------------|--------------|----------------------|
| MD 25    | 25             | 2400        | 1200       | 12           | 34.56                |
| MD 50    | 50             | 2400        | 1200       | 6            | 17.28                |
| MD 75    | 75             | 2400        | 1200       | 4            | 11.52                |
| MD 100   | 100            | 2400        | 1200       | 3            | 8.64                 |
| HD 25    | 25             | 2400        | 1200       | 12           | 34.56                |
| HD 50    | 50             | 2400        | 1200       | 6            | 17.28                |
| HD 75    | 75             | 2400        | 1200       | 4            | 11.52                |
| HD 100   | 100            | 2400        | 1200       | 3            | 8.64                 |
| XHD 25   | 25             | 2400        | 1200       | 10           | 28.80                |
| XHD 50   | 50             | 2400        | 1200       | 6            | 17.28                |
| XHD 75   | 75             | 2400        | 1200       | 4            | 11.52                |
| XHD 100  | 100            | 2400        | 1200       | 3            | 8.6                  |
| XXHD 25  | 30             | 2400        | 1200       | 10           | 28.8                 |
| XXHD 50  | 50             | 2400        | 1200       | 3            | 8.64                 |
| XXHD 75  | 75             | 2400        | 1200       | 2            | 5.76                 |
| XXHD 100 | 100            | 2400        | 1200       | 2            | 5.76                 |

Absorb FD, and LD 75 and 100 are also available as an un-rated low density product.

# Martini ACOUSTIC BLANKET (MAB)

Multi-purpose Insulation



Multi-purpose insulation designed and manufactured to specific densities and thicknesses to create the ultimate acoustic and thermal performance in commercial and industrial environments.



## Product Properties

- Manufactured in a range of densities from 11kg m<sup>3</sup> to 60kg m<sup>3</sup> and thicknesses from 25-100mm.
- Designed to provide acoustic and thermal performance in commercial and industrial applications.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in standard white colour. Black or grey available upon request.

## Applications

MAB products can be used behind perforated paneling and ceilings designed to reduce echo in a single space such as sports halls, cinemas, studios, industrial enclosures, HVAC ducts, silencers or plant rooms.

Also recommended as a cavity infill where noise separation through walls and ceilings is required and can be laid above suspended ceilings to reduce flanking noise between rooms. Suitable for internal use only.

## Product Specifications

| Product    | Density kg/m <sup>3</sup> | Thickness (mm) | Length (m) | Width (mm) | Rolls /pack | m <sup>2</sup> /pack | White Code |
|------------|---------------------------|----------------|------------|------------|-------------|----------------------|------------|
| MAB 11/25  | 11                        | 25             | 25         | 610        | 2           | 30.5                 | 131695     |
| MAB 11/50  | 11                        | 50             | 15         | 610        | 2           | 18.3                 | 130446     |
| MAB 11/75  | 11                        | 75             | 15         | 610        | 2           | 18.3                 | 127414     |
| MAB 11/100 | 11                        | 100            | 10         | 610        | 2           | 12.2                 | 131697     |
| MAB 11/110 | 11                        | 110            | 10         | 610        | 2           | 12.2                 | 141275     |
| MAB 14/25  | 14                        | 25             | 25         | 610        | 2           | 30.5                 | 131698     |
| MAB 14/50  | 14                        | 50             | 15         | 610        | 2           | 18.3                 | 131699     |
| MAB 14/75  | 14                        | 75             | 10         | 610        | 2           | 12.2                 | 131700     |
| MAB 14/100 | 14                        | 100            | 10         | 610        | 2           | 12.2                 | 131701     |
| MAB 18/25  | 18                        | 25             | 20         | 610        | 2           | 24.4                 | 141276     |
| MAB 20/25# | 20                        | 25             | 25         | 610        | 2           | 30.5                 | 131702     |
| MAB 20/50# | 20                        | 50             | 8          | 610        | 2           | 9.7                  | 131703     |
| MAB 20/75  | 20                        | 75             | 10         | 610        | 2           | 12.2                 | 131704     |
| MAB 20/100 | 20                        | 100            | 7          | 610        | 2           | 8.5                  | 131705     |
| MAB 32/25# | 32                        | 25             | 25         | 610        | 2           | 30.5                 | 131706     |
| MAB 32/50# | 32                        | 50             | 10         | 610        | 2           | 12.2                 | 131707     |
| MAB 32/75  | 32                        | 75             | 6          | 610        | 2           | 7.3                  | 131708     |

# Tested to AS/ISO 9705, achieved Group 1 Martini MAB is also available in other densities and thickness upon request and is subject to minimum order quantities. Please contact CSR Martini for further details.

## Physical Description and Properties

|                      |   |     |
|----------------------|---|-----|
| Melting point:       | NA  |     |
| 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                                      |     |
| Fire resistance:     | The following results were obtained when CSR Martini MAB was subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3 |     |
|                      | Ignitability  | 0   |
|                      | Spread of Flame   | 0   |
|                      | Heat Evolved  | 0   |
|                      | Smoke Developed   | 0-1 |



# Martini FLANK GUARD

Acoustic Insulation to reduce sound transmission in ceiling voids



Martini Flank Guard is recommended to be compressed above a partition wall within the ceiling void to reduce flanking noise between rooms.



## Product Properties

- Martini Flank Guard is thermally bonded polyester fibre insulation specifically designed to reduce flanking sound transmission through suspended ceiling voids in commercial spaces, 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.

## Acoustic Performance

When compressed between a concrete slab soffit and the top junction of a plasterboard partition wall by between 25% and 33%, Martini Flank Guard can achieve a sound transmission reduction of between 9 and 40 decibels across a range of frequencies including speech frequencies - the most common nuisance noise in commercial buildings.

Martini Flank Guard has a Noise Reduction Coefficient (NRC) of 1.0 when tested in compression with a depth of 600 mm.

## 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   |                 |   |
| Fire resistance:     | The following results were obtained when CSR Martini Flank Guard was subjected to early fire hazard testing in accordance with Australian Standards AS1530.3 | Ignitability    | 0 |
|                      |  | Spread of Flame | 0 |
|                      |  | Heat Evolved    | 0 |
|                      |  | Smoke Developed | 1 |

## Acoustic Performance

| Frequency (Hz) | Installed Compression |     |
|----------------|-----------------------|-----|
|                | 33%                   | 25% |
| 63             | -10                   | -9  |
| 125            | -12                   | -11 |
| 250            | -14                   | -13 |
| 500            | -18                   | -16 |
| 1000           | -23                   | -20 |
| 2000           | -28                   | -25 |
| 4000           | -35                   | -32 |
| 8000           | -45                   | -41 |

  

|   | Installed Compression |                     |
|---|-----------------------|---------------------|
|   | 33%                   | 25%                 |
| Installed product density kg/m <sup>3</sup> | 15kg/m <sup>3</sup>   | 13kg/m <sup>3</sup> |

Compressed density expressed as a kg/m<sup>3</sup> is a calculation of product weight (kgsm) divided by nominal thickness. Martini Flank Guard has a non compressed thickness of 90mm and a nominal net weight of 900gsm. Standard product density (un-compressed) is 10kg/m<sup>3</sup>.

## Installation Design Guidance

| Ceiling Void Height | Qty of Batts to Achieve Compression Ratio |     |
|---------------------|---|-----|
|                     | 25%                                       | 33% |
| 400mm               | 6   | 7   |
| 500mm               | 7   | 8   |
| 600mm               | 9   | 10  |
| 700mm               | 10  | 12  |

## Martini dECO Collection

dECO is a high performance decorative acoustic range proudly manufactured in Australia.

Selecting the right dECO product is essential to ensure the balance of acoustic performance and design to create the right environment.

Scan below to see the full dECO Collection.







# csrmartini.com.au

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CSR Martini Pty Limited  
P.O. Box 560, Ingleburn NSW 1890  
martinienquiries@csr.com.au  
Australian callers: 1300 767 776  
International callers: +61 2 8795 4400

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