martini

Martini PRIME

High performance acoustic partition and ceiling insulation

martini PRIME

CSR

Martini Prime

- Developed to increase the low frequency acoustic characteristics of high-performance plasterboard, masonry and aerated concrete composite wall systems used in residential apartment projects.
- 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

Prime is ideal for use in high-performance acoustic partition and ceiling systems in multi-residential apartments. Prime is engineered to produce performance results to comply with BCA/NCC acoustic provisions.

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^{CertTM} 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^3)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.csrmartini.com.au

Acoustic Performance

Rw means weighted sound reduction index. It is a single number used to describe the performance of a system – generally a wall – as a barrier to noise transmission.

An increase of one Rw point is equivalent to a reduction of one decibel in noise level.

Ctr is a spectrum adaptation factor that is used as a correction factor to Rw and puts emphasis on low frequency sound transmission. The BCA/NCC deem to satisfy provision requires common wall and ceilings separating Single Occupancy Units (SOU) to have a minimum acoustic performance of Rw + Ctr 50.

For more detailed information refer to the Martini Acoustic Design Guide.

Martini Prime Roll Product Information

Product	Prime 30	Prime 50	Prime 65	Prime 75	Prime 100
Thickness (mm)	30	50	65	75	100
Length (m)	20	15	10	10	7
Width (mm)	610	610	610	610	610
Coverage/pack (m^2)	2.92	3.29	2.92	3.29	2.92
Rolls per box	2	2	2	2	2
R-value	**0.7***	**1.1***	**1.4***	**1.7***	**2.2***

*Calculated R-Value. Martini Prime is also available in 450mm roll width on request and is subject to minimum quantities. Please contact CSR Martini for further details. # Product thickness recovery time can vary depending on length of time in compressed packaging and air temperature.

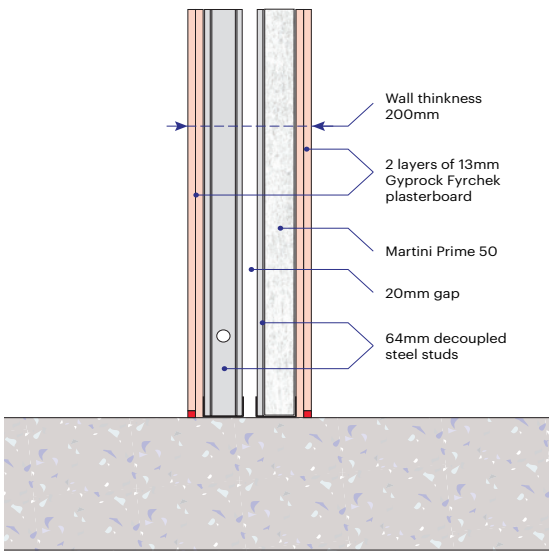
Sample Wall Systems

The following are typical examples of high performance acoustic wall systems commonly used in multi-residential projects:

Sample system 1

Rw 61, Rw + Ctr 50*

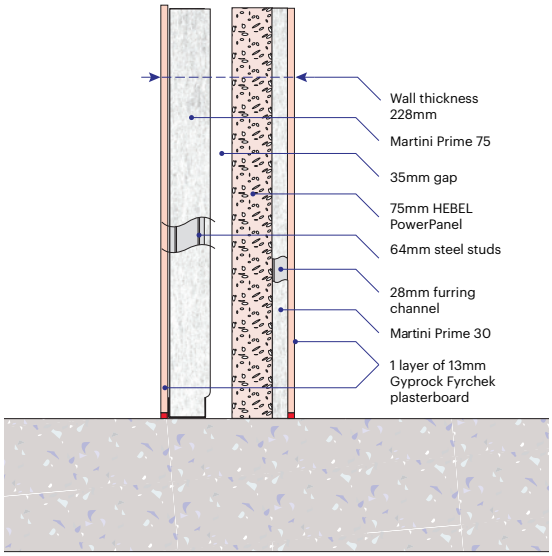
Two rows of 64mm decoupled steel studs set in separate tracks separated by 20mm gap with two layers of 13mm Gyprock Fyrchek to each external face with Martini Prime 50 fitted into one cavity.



Sample system 2

Rw 62, Rw + Ctr 50*

One layer of 13mm fire rated plasterboard fixed to 28mm furring channel, 75mm Hebel Powerpanel, 35mm gap, 64mm steel studs, 1 layer 13mm Gyprock Fyrchek, Martini Prime 30 in 28mm furring channel gap and Martini Prime 75 in the steel stud cavity.



*Acoustic performance based on empirical data and expert opinion.

Physical description and properties

Melting point:	250˚C
Flash point:	None allocated
Other properties:	Non-allergenic, low irritant, low flame response, resilient
Ingredients:	Organic, long chain synthetic polymer
Max service temp:	110˚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:

Tested to AS ISO 9705 Corner Burn in accordance with AS 5637.1	**Group 1** SMOGRA not more than $100 m^2/s^2$ x 1000	
The following results were obtained when CSR Martini Absorb Soffit 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

csrmartini.com.au

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