

MULTISTOP™ 4

PRODUCT TECHNICAL STATEMENT

Multistop™ 4 is a specifically formulated plasterboard that provides fire, impact, sound and water and bracing resistance. It is suitable for use in situations where a multi-performance board is required.

USE

Multistop™ 4 is suitable for use in all commercial and residential situations provided that its specification and installation is in accordance with USG Boral Plasterboard Installation and USG Boral Bracing Manuals – NZ.

It is suitable for installation on framed walls and ceilings, where the building design falls within the design scope of NZS3604, or AS/NZS1170.

Where Multistop™ 4 is to be installed in an existing building, the installer must assure themselves that the framing and existing building are suitable for the proposed building work.

CONDITIONS & LIMITATIONS

The specification of Multistop™ 4 must be in accordance with USG Boral information.

It must be specified by an LBP, able to provide a design memorandum to the relevant Building Consent Authority (BCA), if RBW provisions apply.

Installation must be undertaken by or supervised by an LBP (carpentry license). If RBW provisions apply, this same LBP must complete the RBW memorandum.

Multistop™ 4 should not be exposed to sustained temperatures exceeding 42°C or to excessive, repetitive or continuous moisture before, during or after installation. All sources of moisture should be eliminated immediately.

DESCRIPTION OF MULTISTOP™ 4

BOARD SPECIFICATION	
FEATURE	DESCRIPTION
Thickness	10/13mm
Sheet Size (width x length)	1200 x 2400mm, 1200 x 2700mm 1200 x 3600mm, 1200 x 4800mm, 1350 x 3600mm, 1350 x 4800mm (minimum order quantities and lead times may apply)
Paper Colour	Light green
Mass	9.7/11.8 kg/m ² nominal
VOC	Less than 0.5mg/m ³ TVOC
GECA	Certified to GECA 04-2011 v2 – Panel Boards
Manufacture	Manufactured in Australia to the requirements of AS/NZS 2588:1998 Gypsum plasterboard and in accordance with AS/NZS ISO 9001:2008 – Quality management systems – Requirements



NZBC COMPLIANCE

Multistop™ 4 plasterboard™ complies with the following performance criteria of the NZ Building Code

PERFORMANCE CRITERIA	EVIDENCE
B1.3.1 B1.3.2 B1.3.3 (a, b, c, f, j, l, o, r) B1.3.4 (a, b, c, e)	In respect of building element Manufactured in accordance with AS/NZS2588 Impact ASTM E695-75 Panel performance ASTM E72-80
B2.3.1(a), B2.3.2	USG and Boral have a combined plasterboard manufacturing experience in excess of 145 years. During this time USG Boral have supplied plasterboard along with plasterboard wall and ceiling systems for use within the residential and commercial sectors.
C3.4 (a)	Material Group No 1-S BRANZ assessment FAR4435
F2.3.1	Manufactured in accordance with AS/NZS2588

When installed Multistop™ 4 plasterboard will contribute to compliance with the following performance criteria of the NZ Building Code.

PERFORMANCE CRITERIA	EVIDENCE
B2.3.1(a), B2.3.2	In service history
C6.2	FCO-1045, FCO-1360 EWFA 27211-00
G6.3.1	RT&A TE405-05F02

PERFORMANCE DETAILS

Fire

Multistop™ 4 is a non-combustible building product.

Multistop™ 4 achieves a material Group 1-S depending on finished coating applied (BRANZ Assessment FAR4435).

Multistop™ 4 achieves fire resistance depending on the fire rated systems application (Exova Warrington AS1530.4:2005 report # 27211-00). (13mm only)

Where relevant, 13mm Multistop™ 4 is a substitute for 13mm Wet Area Firestop® and 13mm Firestop®.

Acoustic

Multistop™ 4, may be used in an acoustic system to provide required levels of sound insulation to achieve specified acoustic ratings.

Bracing

Multistop™ 4 can be used in USG Boral bracing systems to provide wind and earthquake bracing requirements.

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WALL SYSTEMS – TABLE 1		
SYSTEMS CONFIGURATION	FRR (Minutes)	ACOUSTICS (RW)
1 layer of 13mm Multistop™4 on both sides of a 92mm steel stud with 0.55mm BMT at 600 centres and 50mm glasswool insulation (nominal 11kg/m3).	- / 60 / 60	46
1 layer of 13mm Multistop™4 on one side and 2 layers of 13mm Multistop™4 on the other side of a 92 mm steel stud with 0.55mm BMT at 600 centres and 50mm glasswool insulation (nominal 11kg/m3).	- / 90 / 90	51
2 layers of 13mm Multistop™4 on both sides of a 92mm steel stud with 0.55mm BMT at 600 centres and 50mm glasswool insulation (nominal 11kg/m3).	- / 120 / 120	54

Impact

Multistop™ 4 is resistant to soft body impact. Testing was carried out by USG Boral NATA accredited laboratory (test report M17-25) where the board was subjected to a 27.2kg pendulum swing, impact bag into a 3.0m high wall specimen.

Hard body impact testing was also carried out. In this instance a pendulum swing of a 100mm diameter 4.0kg steel ball on a 3.0m axis (test report HB20120415).

Wet Area

Multistop™ 4 is suitable for use in wet areas and established through testing in accordance with AS/NZS2588:1998 and AS3740:2010.

INSTALLATION

Multistop™ 4 must be installed in accordance with the USG Boral Plasterboard Installation and Bracing Manuals – NZ.

MAINTENANCE

Multistop™ 4 does not require maintenance but USG Boral recommends that a visual check of the board be undertaken as part of normal maintenance, for instance when the surface coating is reapplied. In the event that damage is apparent to the Multistop™ 4 board then it must be removed and replaced in accordance with the USG Boral Installation and Bracing Manual – NZ

STORAGE & TRANSPORTATION

Multistop™ 4, like all plasterboards, is vulnerable to potential in transit damage. It should be transported and stored horizontally. Once onsite ensure that it is covered, to avoid the possibility of exposure to moisture.

SUSTAINABILITY

Multistop™ 4 has been manufactured using 100% recycled liner paper. Independently tested for VOC.

QUALITY ASSURANCE

Multistop™ 4 is manufactured in Australia. These manufacturing sites are ISO9001:2008 accredited.

Certificate details are SAI Global Cert No. QECO400.

This certification dates from 1992.

REFERENCES

Refer www.usgboral.com for information on Multistop™ 4. Test results may be available upon request, providing the information is not commercially sensitive.

WARRANTY

For details of the USG Boral warranty refer www.usgboral.com

DURABILITY STATEMENT

This statement is in relation to Clause B2 Durability of the New Zealand Building Code (NZBC). USG Boral Plasterboard products and systems are designed for internal use and when installed in accordance with the installation instructions detailed within the relevant Technical Installation literature they are fully compliant with the NZBC.

FURTHER INFORMATION

Contact USG Boral TecASSIST on 0800 USGBORAL (0800 874-267) or online at www.usgboral.com

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