

Technical Data

13MM MULTISTOP™ 4HI



Description

13mm Multistop™ 4 HI is a multi performance plasterboard featuring an embedded mesh backing designed to significantly improve impact resistance for areas that experience frequent soft and hard body bumps.

13mm Multistop™ 4 HI is suitable for projects requiring Fire, Impact, Sound and Water resistance. An ideal solution for Schools, Hospitals or where a multi performing plasterboard is required.

Steel Stud Wall systems, suitable in wet area applications of multi-storey apartment buildings and commercial projects, comprised of our 16mm Multistop 4 plasterboard products with various configurations of steel studs including;

- Single steel studs
- Twin steel studs
- Staggered steel studs
- Quiet studs

SHAFTWALL™ systems, suitable for riser/duct shafts in wet area applications of multi-storey apartment buildings and commercial projects, when used in combination with our Knauf 25mm Shaftliner™ Mouldstop.

Board Specification

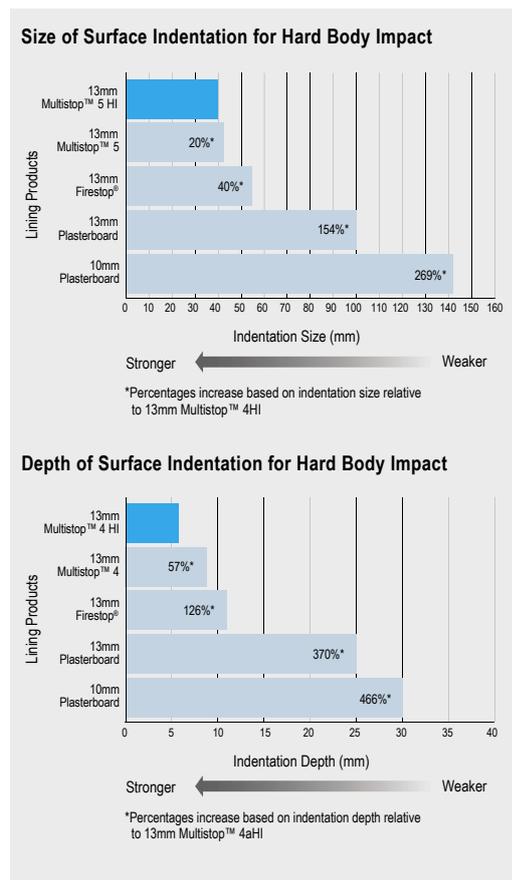
Feature	Description
Board Thickness	13mm
Sheet Size (width x length)	1200 x 3600mm [1200 x 2700mm, 1200 x 3000mm, 1350 x 3000mm, 1350 x 3600mm (minimum order and lead times apply)]
Paper Colour	Light Green
Mass	12.0 kg/m ² nominal
Fire Hazard Properties	Group 1 – in accordance with BCA Specification C1.10 Fire Hazard Properties – Floors, Walls and Ceilings
Combustibility	Non Combustible material as defined in BCA Deem-to-Satisfy Provisions C1.9
VOC	Less than 0.5mg/m ³ TVOC
GECA	N/A
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



Advantages

- High impact resistance to incidental collision
- Fire resistance
- Water resistance
- High acoustic performance

Performance Details



Hard Body Impact Test

13mm Multistop™ 4 HI is subject to extensive hard body impact testing.

- Testing was conducted by a pendulum swing of a 100mm diameter 4.0kg steel ball on a 3.0m axis against the wall specimen
- An example of hard body impact is a bump by a hospital trolley or an intentional kick to wall surface

Testing conducted by Knauf NATA accredited Laboratory. Resistance to Impact – Test Report No HB 20120415-01.

Fire

13mm Multistop™ 4 HI was fire tested and certified by BRANZ to meet the requirements of the National Construction Code (NCC).

- 13mm Multistop™ 4 HI contributes to the Fire Resistance Level when used in steel stud fire-rated wall systems. Refer to Technical Bulletin (January 2022, Version 1) for details and limitations

Fire tested to achieve the least fire hazard Group Number for wall and ceiling materials as defined by NCC (BRANZ report No. FH 15783).

Acoustic

13mm Multistop 4™ HI, when used in an acoustic system can provide required levels of sound insulation to achieve specified acoustic ratings. Refer to Systems+ manual for information.

Structural

13mm Multistop™ 4 HI complies to relevant deem-to-satisfy provisions of BCA Specification C1.8 Structural Tests for Lightweight Construction. Resistance to Static Pressure.

- Exceeds compliance criteria for BCA resistance to impact test to ASTM E695-03
- Exceeds compliance criteria for BCA resistance to static pressure test to ASTM E72-15

Wet Area

- 13mm Multistop™ 4 HI is manufactured to exceed water resistant grade gypsum plasterboard requirements of AS/NZS 2588: 1998 Gypsum Plasterboard
- Meets deemed to comply requirements of the NCC and AS 3740:2010 Waterproofing of domestic wet areas when installed to Knauf plasterboard wet area installation details

Installation

Refer to Knauf website www.knaufapac.com/au/plasterboard or call TecASSIST on 1800 811 222

Sustainability

Knauf products are manufactured from a combination of natural gypsum, and paper liner made from 100% reclaimed and recycled paper waste. Plasterboard waste can be reclaimed and recycled into new plasterboard.

Lightweight plasterboard construction offers the benefits of low embodied energy, non-toxic materials, enhanced indoor air quality, and ease of thermal and acoustic upgrading.

Waste Management

Waste collection services are available to divert acceptable plasterboard waste away from land fill for recycling or re-processing for other uses.

For information on waste collection services available, please contact your local Knauf office.

Volatile Organic Compounds (Voc) And Formaldehyde Minimisation

Knauf products, compounds, and adhesives have been independently tested to confirm compliance with Green Star specification limits for VOCs and are formaldehyde free. Emission Test Certificate V2112044.

References

Refer www.knaufapac.com/au/multistop for Material Safety Data Sheet, Volatile Organic Compound Emission details and other additional information.

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