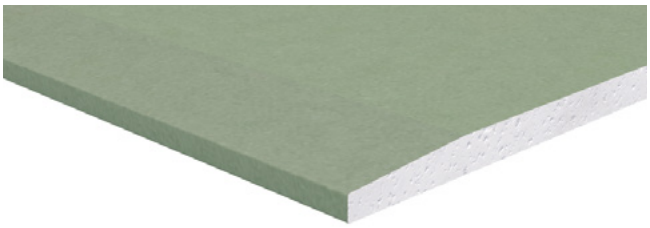
IMPACTSTOP™

Performance Board



Feature	Specification
Nominal Thickness	13 mm
Edge Profile	Recessed edge
Paper Colour	Green
Nominal Mass	13 mm - 12.0 kg/m^2
Fire Hazard Properties	Group 1 – as per the NCC Specification S7C4 Fire Hazard Properties – Walls and Ceilings, determined in accordance with AS 5637.1:2015
Combustibility	Non-combustible material as defined in NCC C2D10 Non-combustible building elements
VOC	Less than 0.5 mg/m^3 TVOC
Manufacture	Manufactured in Australia to the requirements of AS/NZS 2588:2018 Gypsum Plasterboard and in accordance with AS/NZS ISO 9001:2015 – Quality Management Systems – Requirements
Application	▪ Internal walls and ceilings in schools and childcare centres ▪ Corridors and common areas in hospitals and aged-care facilities ▪ Apartment intertenancy and service walls with higher durability needs ▪ Public buildings and transport hubs exposed to regular foot traffic ▪ Commercial offices requiring fire compliance and improved durability ▪ Retail fit-outs where occasional bumps or wear may occur

Description

ImpactStop plasterboard is a multi-attribute solution designed for modern construction. It offers impact and fire resistance, and high acoustic performance, making it ideal for environments requiring safety, durability, and sound insulation. Perfect for residential and commercial use, ImpactStop plasterboard ensures reliable and efficient building performance.

Advantages

- High Impact resistance to incidental collision
- Fire resistance
- Acoustic performance
- Lightweight construction
- GECA certified
- Environmental Product Declaration (EPD)
- Product Aware registered
- Climate Active Opt-In certified (Carbon Neutral)

Limitations

- Should not be exposed to prolonged temperatures in excess of 52°c
- Not suitable for direct support of heavy loads

Key

- ✓ Fire Resistant
- Water Resistant
- Mould Resistant
- Lightweight
- ✓ Acoustic Performance
- Echo Reduction
- Impact Resistant
- ✓ High Impact Resistant
- Very High Impact Resistant
- Ultimate Impact Resistant
- Mesh Reinforced
- Flexible
- Block Basic Radiation

Performance Details

Fire Resistance

ImpactStop was fire tested and certified by BRANZ in accordance with AS 1530.4 to meet the requirements of the National Construction Code (NCC) and contributes to Fire Resistance Level when used in fire-rated systems.

Fire tested to achieve group number classification 1, the average specific extinction area less than the 250 m^2/kg limit as defined by NCC.

Acoustic Performance

ImpactStop can provide required levels of sound insulation to achieve specified acoustic ratings when used in an acoustic system. Refer to Systems+ manual for information.

Impact Resistance

ImpactStop is subject to extensive hard body impact testing.

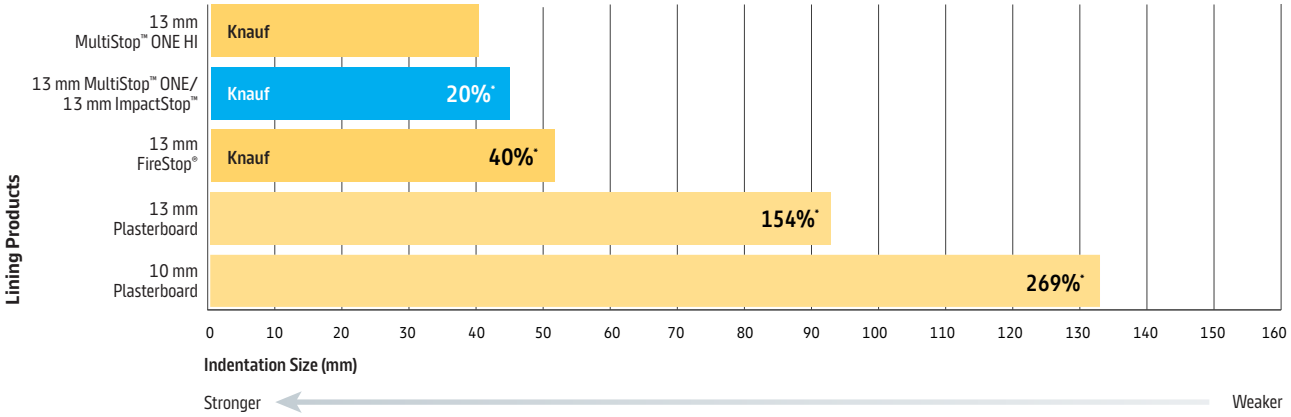
- Testing was conducted by a pendulum swing of a 100 mm diameter 4.0 kg steel ball on a 3.0 m axis against the wall specimen
- An example of hard body impact is a bump by a hospital trolley or an intentional kick to wall surface
- Testing conducted by Knauf NATA accredited Laboratory. Resistance to Impact – Test Report No HB 20120415

Structural

ImpactStop wall systems comply to the relevant Deemed-to-Satisfy provisions of NCC Specification 6 Structural Tests for Lightweight Construction.

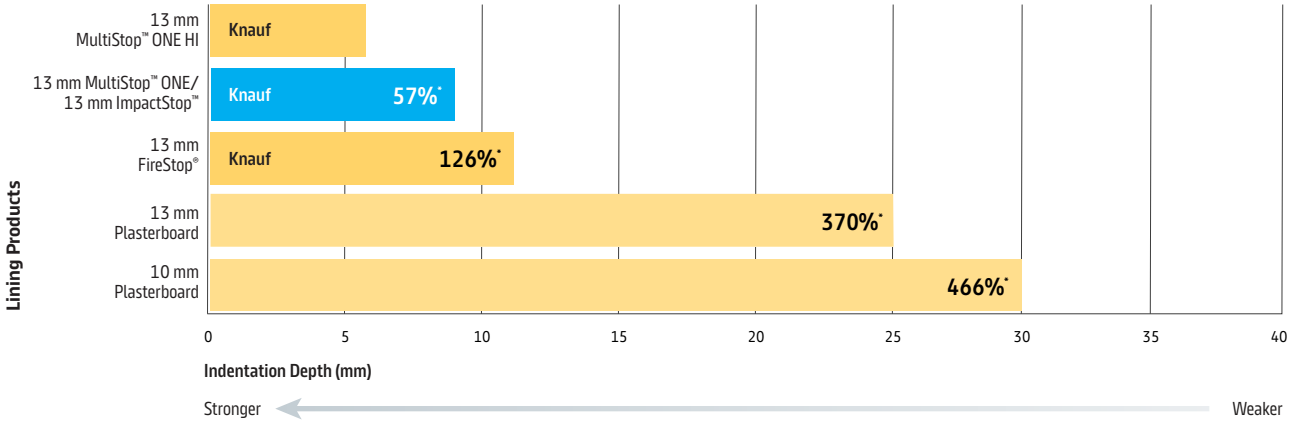
- Exceeds compliance criteria for NCC resistance to impact test to ASTM E695-03
- Exceeds compliance criteria for NCC resistance to static pressure test to ASTM E72-15

Size of Surface Indentation for Hard Body Impact



*Percentages increase based on indentation size relative to 13 mm MultiStop ONE HI

Depth of Surface Indentation for Hard Body Impact



*Percentages increase based on indentation depth relative to 13 mm MultiStop ONE HI

Installation, Jointing and Finishing

Knauf has a comprehensive range of jointing and adhesives compounds in premixed or powder form to meet market needs and varying climatic conditions. Apply appropriate painting system or other finishes as recommended for the required level of finish and application. This product data sheet does not provide plasterboard installation, jointing and finishing details. Refer to Knauf Plasterboard Installation Manual or knauf.com for further information.

Indoor, Environment, Quality

Knauf plasterboard products, compounds and adhesives have been independently tested to confirm compliance with Green Star specification limits for VOCs and formaldehyde.

References

For detailed information on Volatile Organic Compound (VOC) emissions and fire test reports, please visit knauf.com.

Safety and First Aid

For detailed safety information, including handling, storage, and first aid guidance, please visit the relevant product page on knauf.com to access the safety data sheet and additional resources.

Sustainability

Knauf plasterboards are manufactured from a combination of natural gypsum, and paper liner made from reclaimed and recycled paper waste. Plasterboard waste can be reclaimed and recycled into new plasterboard or reused as soil conditioner.

Knauf ImpactStop is listed in Product Aware and has GECA, Climate Active Opt-In certification and independently verified EPD that may contribute to Green Star credit points. For more information refer to Green Building Council of Australia.

GECA CERTIFIED

AUSTRALASIA EPD® ENVIRONMENTAL PRODUCT DECLARATION

Product Aware

Climate Active Carbon Neutral PRODUCT

Technical Resources

Plasterboard Installation Manual

CAD Library

eSelector

Technical Assistance
TecASSIST™ 1800 811 222

Sales Enquiries
1800 003 377

knauf.com

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