

# KNAUF IMPACT-RESISTANT PLASTERBOARD

Knauf Sheetrock® Impactstop™ plasterboard is manufactured from a specially formulated high density core encased in heavy face and strong back liner papers. They are designed to meet regulatory requirements for areas requiring resistance to heavy traffic, surface indentation and penetration damage, such as hospitals or school corridors.

## Knauf Sheetrock® Impactstop™ Plasterboard 16.0mm

### Product Features

#### Impact-Resistant and Improved Sound Insulation

- Features a higher density gypsum core that provides additional protection recommended for severe duty applications as per BS 5234 when assembled with Rondo metal framing system.
- Complies with international standards such as BS EN 520, or equivalent local standard for physical properties classification for gypsum boards, as well as BS 476 for non-combustibility.
- Excellent acoustic properties when assembled in systems for commercial projects.
- Knauf Sheetrock® Impactstop™ is also moisture- and fire-resistant. It can be used in the approved systems to provide additional fire protection.

### Intended For

- Commercial and residential application where there is greater resistance to indentation and impact damage
- Use for approved fire-resistant systems

### Advantages

#### Sag Resistance

Shall be free from sagging or warping (defined as greater than 5mm measured in the panel centre) as a direct result of defects in material on factory workmanship. Sag resistance is measured under 'Standard Test Method for Physical Testing of Gypsum Panel Products 1', ASTM C473-03; Section 14.0 Humidified Deflection.

#### Impact Resistance

Achieves Severe Duty per BS 5234 (Partition Grade Testing) for greater resistance to surface indentation and impact damage than standard plasterboard.

#### Moisture and Fire Resistance

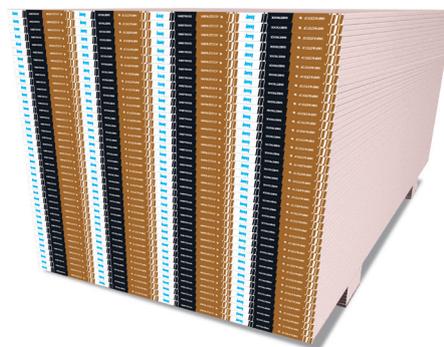
Knauf Sheetrock® Impactstop™ offers additional benefit such as water resistance and can be used in approved fire-resistant systems.

#### Easy to Install

Scores and snaps easily. Manufactured with a long recessed edge with sturdy face paper folded around to reinforce the edges and protect its core.

#### Acoustic

Enhanced acoustic performance when used as a system.



### Limitations

1. Avoid exposure to sustained temperatures exceeding 50°C.
2. The system installation shall be carried out in a controlled environment with temperature 0° -40°C, RH up to 90%. The environment conditions shall remain within the said limits after completion.
3. Installation shall be free from excessive humidity, chemical fumes, corrosive substance, freezing temperature or vibration.
4. The quality assurance shall not cover damages caused by fire, direct contact with water including, condensation, caustics substance or vapour, due to leaks or temperature and humidity conditions which cause condensation to develop on the plasterboards, or other elements of nature or act of God or by any form of physical abuse.
5. Maximum framing spacing is 24" (610mm) centres.
6. Intended for interior applications only and must be kept dry during handling and storage. Please see Knauf installation guidelines.
7. Wall cavities, floor cavities and other enclosed areas must be dry prior to being closed up and application of interior finishing. Insulation in the wall or floor cavities must be dry.
8. For abuse-resistant construction, minimum stud thickness and metal framing requirements must be met. Consult your local Knauf office.
9. The product must be stored in a dry and clean area protected from possible damage by rain and excessive moisture. Care must be taken that the products are not damaged during delivery and must also be protected against possible abrasions.
11. Not a structural panel.

### Finishing and Decorating

It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and plasterboard installation, jointing, and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.

Knauf recommends the use of Knauf joint compounds and the 3 coat jointing system using paper tape to achieve the best joint strength.

For priming and decorating with paint, texture or wall covering, follow manufacturer's directions or recommendations.

If using semi-gloss or gloss paint, it is recommended that the plasterboard surface is finished to a Level 5 standard as these paints tend to highlight surface variations.

## Test Data

Knauf impact-resistant plasterboard complies with:

	Property	Test Methods	Specification	Knauf Sheetrock® Impactstop™ 16.0mm
<b>Fire Reaction</b>	<b>Non-combustibility</b>	BS 476 Part 4	Pass	Pass
<b>Physical Properties</b>	<b>Impact-resistant</b>	BS 5234	Severe Duty	Severe duty
	<b>Water Absorption</b>	BS EN 520	H1 (≤5%)	H1 (≤5%)
	<b>Fire-resistant</b>	BS 476 Part 22	1 HR	Yes
	<b>Flexural Strength</b>	BS EN 520	Parallel	>688N
Perpendicular			>269N	

## Product Data

Property	Knauf Sheetrock® Impactstop™ 16.0mm
<b>Weight (kg/m²)</b>	13.6
<b>Nominal Density (kg/m³)</b>	850
<b>Thickness (mm)</b>	16.0
<b>Width (mm)</b>	1220
<b>Length (mm)*</b>	2440
<b>Edges</b>	Tapered
<b>Face Paper Colour</b>	Pink

\*Custom lengths available. Please refer to your Knauf representative for other board sizes.

## Compliance

Knauf Sheetrock® Impactstop™ plasterboard complies with international standards such as BS EN 520 and BS 476 classification for fire resistance.

## Submittal Approval

<b>Job Name</b>	
<b>Contractor</b>	<b>Date</b>

