KNAUF SHEETROCK® STANDARDCORE™ PLASTERBOARD (WALLS)

Knauf Sheetrock® StandardCORE™ plasterboard has a re-engineered, lightweight core with Knauf's innovative Sag-Defying Strength™ formulation. The panels have a superior sag-resistant performance that allows for greater spans. The non-combustible gypsum core is encased in 100% recycled face and back papers. Knauf Sheetrock® StandardCORE™ plasterboard has two tapered long edges for easy finishing when used with Knauf's Joint Compounds.

Product Features

High-Performance Lightweight Interior Plasterboard

- Lightest gypsum plasterboard by thickness available.
- Easier to lift, carry, and install.
- Improves installation speed and reduces wastage.
- Complies with international standard BS EN 520, or equivalent local standard for physical properties.
- Uniformed and stronger core helps in reducing board damages.

Intended for

- Non-fire rated partition applications
- Commercial or residential construction
- Repair and remodel construction
- Steel framing

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 Products1', ASTM C473-03; Section 14.0 Humidified Deflection.

Lightweight
Ease of transportation, carrying and handling.

Sag-Defying Strength™
Specially formulated plasterboard panels with a high strength-to-weight ratio composite design offering better anti-sag performance.

Reaction to Fire
Non-combustible. Evaluated and complies with BS 476: Part 4.

Easy to Install
Scores and snaps easily, reducing installation time and wastage.

Quality
Innovative manufacturing process that optimises the core structure for excellent physical properties and consistency in quality.

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 or 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. Plasterboard stacking supports should be spaced at no more than 600mm centres.
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.

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 fire-resistant plasterboard complies with:

	Property	Test Methods	Specification	Knauf Sheetrock® StandardCORE™ 12.5mm	Knauf Sheetrock® StandardCORE™ 16.0mm
Fire Reaction	**Non-combustibility**	BS 476 Part 4	Pass	Pass	Pass
Physical Properties	**Flexural Strength**	BS EN 520	Parallel	>550N	>688N
			Perpendicular	>210N	>268.8N

Product Data

Property	Knauf Sheetrock® StandardCORE™ 12.5 / 16.0mm
Nominal Weight (kg/m^2)	7.4 / 10.9
Nominal Density (kg/m^3)	592 / 681.3
Thickness (mm)	12.5 / 16.0
Width (mm)	1220
Length (mm)*	2440
Edges	Tapered
Face Paper Colour	Ivory

*Please refer to Knauf representative for other board sizes.

Compliance

- The sag performance for Knauf Sheetrock® StandardCORE™ plasterboard has been verified by Knauf's Products & Systems Technical Centre (PSTC) in accordance with temperature and humidity conditions stipulated in ASTM C473 on small samples and large scale ceiling systems.
- Qualifies as low-VOC content material.

SINGAPORE GREEN BUILDING PRODUCT SGBC LEADER

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