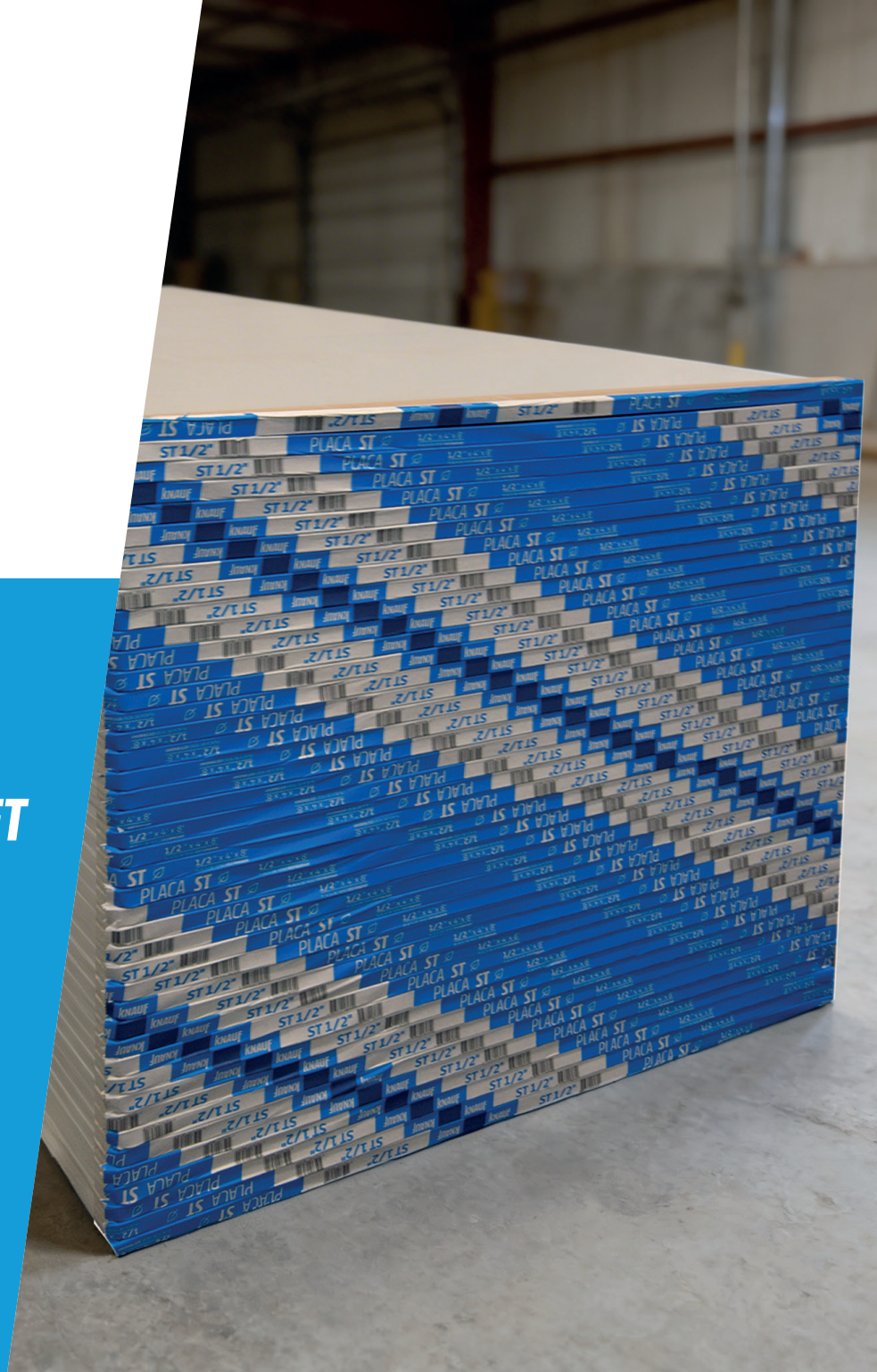




TECHNICAL DATA SHEET

KNAUF ST



Introduction

Knauf ST Gypsum Board.

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Build on us.

Knauf ST plasterboard

Product description

PlacaGypsum board composed of a non-combustible core, covered with ≈90% recycled reinforced paper. Designed for drywall construction applications, providing high-quality finishes.

Complies with **Colombian Standard NTC* 6159**.

Recommended applications

- › Construction of interior partitions, walls and ceilings.
- › Drywall construction systems.
- › Direct, semi-direct and self-supporting wall linings.
- › Suitable for **dry internal environments only**. Not suitable for areas with moisture exposure or direct water contact (e.g. bathrooms).

Key features and benefits

- › Easy and fast installation.
- › Lightweight and cost-effective materials.
- › Surface suitable for various decorative finishes.
- › Easy handling and installation, with **clean cutting**.
- › Does not propagate flame, **A2 classification** according to **UNE EN** 13501**.
- › Improved **dimensional stability** under temperature changes, reducing the risk of cracking at joints.
- › Excellent **thermal and acoustic performance**, improving comfort and energy efficiency in internal spaces.
- › For curved wall applications using Knauf gypsum boards, the recommended curvature radius values must be followed (see Table).

Technical properties

Thickness	Width	Length	Weight	Approx. Weight	Length Flexural Strength	Width Flexural Strength	Core Hardness	Min. Bending Radius	Density	Thermal Conductivity $\lambda W/(m \cdot K)$
9,5 mm (3/8")	1220 mm (4 ft)	2440 mm (8 ft)	6,15 (kg/m ²)	18,3 kg ± 1 kg	>116 N (26 lbf)	>343 N (77 lbf)	>49 N	Seco: r > 2000 mm	625–675 kg/m ³	0,155–0,160
12,7 mm (1/2")	1220 mm (4 ft)	2440 mm (8 ft)	6,72 (kg/m ²)	20 kg ± 1 kg	>160 N (36 lbf)	>476 N (107 lbf)	>49 N	Seco: r > 2750 mm	500–550 kg/m ³	0,155–0,160
15,8 mm (5/8")	1220 mm (4 ft)	2440 mm (8 ft)	10,41 (kg/m ²)	31 kg ± 1 kg	>205 N (46 lbf)	>654 N (147 lbf)	>49 N	N/A	650–700 kg/m ³	0,155–0,160

Technical requirements for gypsum boards are defined in **NTC 6159**. Bending must be applied along the longitudinal direction of the board. The radius must be limited to avoid possible damage, especially cracking.

Physical characteristics

Color: Ivory white (front), dark brown (back)

Surface finish: Smooth, suitable for matte drywall paint

Tolerances:

- › Width: ±3 mm
- › Length: ± 6 mm
- › Thickness: ± 0,4 mm
- › Squareness: < 3 mm

Edge types:

- › Length: Tapered edge type AK
- › Width: Square edge

Storage and handling

- › Store in a dry and covered area, protected from moisture and direct sunlight.
- › Store boards **flat on a level surface** (do not store on edge).
- › Handle boards with **two people** to prevent edge damage.
- › Do not expose to **freezing conditions**.

For more information, refer to the Knauf Colombia Warranty Manual, <https://knauf.com/es-CO/p/productos>

Installation guidelines

- › Boards must be installed on metal or wooden framing and Dot and Dab System.
- › Maintain a 12.5mm (1/2") clearance from the finished floor to prevent moisture absorption in walls.
- › Use appropriate screws and fasten them with an electric screwdriver with clutch.
- › Do not install in areas with moisture exposure or temperatures above 52°C.
- › For maximum stud spacing in applications without fire resistance rating, refer to **NTC 5680 and/or NTC 5681**.
- › For general installation requirements, refer to **GTC*** 329:2021** Guidelines for installation of dry construction systems and **NTC 6252** Requirements for installation and finishing of gypsum boards.
- › For fire-rated applications, refer to the system design described in the corresponding fire test for the system to be installed.

Knauf ST plasterboard

Finishing levels

- › Determine the appropriate finishing level depending on project lighting and requirements.
- › Apply primer before painting to avoid absorption differences.
- › Follow joint treatment recommendations for optimal finishing.
- › For gloss or semi-gloss paint finishes recommended **Level 5**.
- › Consult finishing level guidance in **NTC 6252** and **GTC 329**.

Safety instructions

- › Use respiratory protection (N95 mask) when sanding the surface or cutting the product.
 - › Protect eyes with safety goggles (ANSI Z87.1).
 - › In case of dust contact, move to a ventilated area.
 - › Avoid prolonged dust inhalation to prevent respiratory irritation.
- For more information, refer to the Safety Data Sheet.

Product disposal

- › Waste management should be handled through authorized waste managers.
- › Board scraps should be cut into smaller pieces at the end of the project for proper disposal and recycling.
- › Comply with local environmental regulations for landfill disposal or recycling.
- › For more information, refer to the Safety Data Sheet.

Limitations

- › Do not expose to temperatures above 52°C or moisture.
- › Do not use as a structural element.
- › For ceiling and walls applications, follow the recommended support spacing **GTC 329**.
- › Not suitable for direct water contact or humid environments.
- › Service life depends on installation conditions and usage. Proper installation following the installation normativity is essential to maximize durability. Refer to **NTC 6252** (requirements for installation and finishing of gypsum boards) and **GTC 329**.

Standards and certifications

Technical requirements for gypsum boards are defined in **NTC 6159** and **NTC 6252**.

Certifications: **NTC 5680** and/or **NTC 5681**.

The Standard Board 12.7 mm (1/2") is certified by International Environmental Product Declaration EPD.

Manufacturer warranty

For more information, refer to the Knauf Colombia Warranty Manual. (Link pending).

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Customer Service Line

(057) (1) 518 5121

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Company

KNAUF COLOMBIA

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