

XTERIUM

PLASTER PLATE FOR OUTDOORS





ORIGIN

France, EUR.

YEARS OF EXPERIENCE

Compagnie de Saint-Gobain S.A. is a French multinational corporation, founded in **1665** in Paris and headquartered on the outskirts of Paris, at La Défense and in Courbevoie.

Originally a mirror manufacturer, it now also produces a variety of construction, high-performance, and other materials.



OFFICES



RESISTANT



RESIDENTIAL



EXTERIOR

01

WHAT IS IT?

Non-combustible synthetic gypsum boards specially formulated to resist moisture, fungal growth and algae, covered with a reinforced fiberglass matt to resist any weather condition.

02

FORMAT

X-terium gypsum board measures are 4 ft wide, 8 ft long, 1/2 in thick; all edges are square cut.

03

USE

X-terium gypsum board is used in exterior such as façades walls, ceilings and other elements, these assemblies present advantages as quick and dry installation and lightweight against other exterior construction systems.

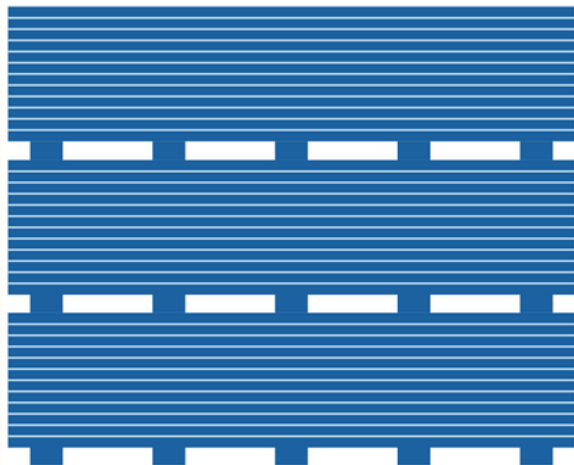
PRODUCT TECHNICAL DATA

CONCEPT	UNIT	VALUE	REFERENCE NORM
Dimensions	m	1,22 • 2,44	ASTM C1177
Thickness	mm	12,7	ASTM C1177
Weight	Kg/m ²	9,6	
Long side Flexural Strength (B method)	N	705	ASTM C 473, C 1177
Strength Resistance	MPa	4,35	ASTM C1177
Core Hardness	N	150	E 72
Surface Combustibility	Class	Non combustible	ASTM E136
Apparent Density	kg/m ³	782,61	NMX-C-126-ONNCCE-2010
Thermal Conductivity	W/m•K	0,1051	NMX-C-181-ONNCCE-2010
Thermal Resistance	K•m ² /W	0,1215	NMX-C-181-ONNCCE-2010
Steam Permeability	ng/Pa•s•m	0,211	NMX-C-210-ONNCCE-2013
Moisture Absorption	% weight	2,132	NMX-C-228-ONNCCE-2013
Moisture Absorption	% volume	1,657	NMX-C-228-ONNCCE-2013
Water absorption	% weight	16,18	NMX-C-228-ONNCCE-2013

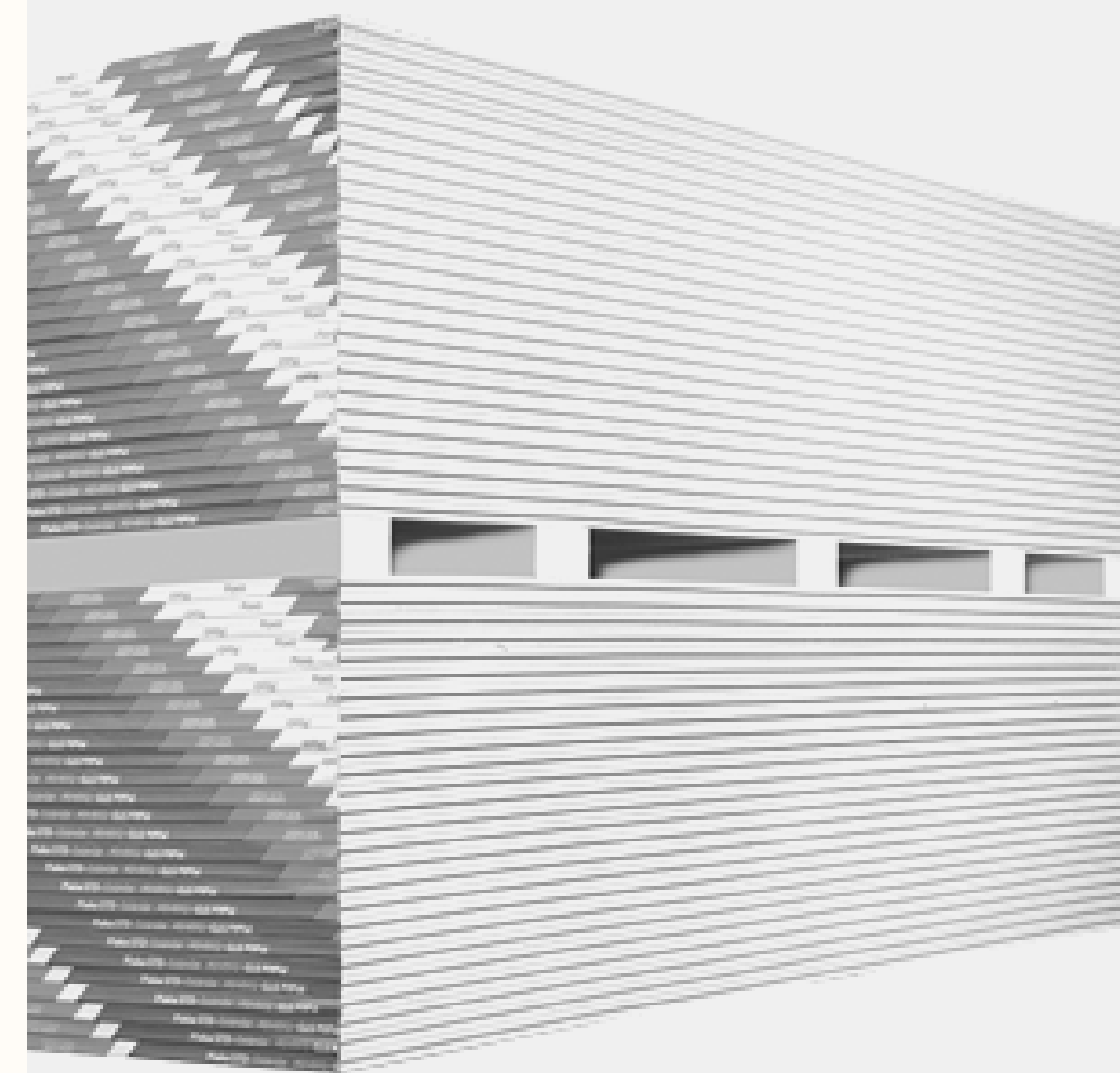
HANDLING & STORAGE

X-terium plasterboard should be stored in pallets maximum of 60 pieces, and may be stacked up to 7 pallets. Each one must have 3 in. wide risers every 24 inches. to centers between them to elevate pallets from floor level for protection.

Is very important that supports are perfectly aligned as not to deform or hurt the gypsum board core. • The storage place should be closed, cool and dry without exposure to the weather, the boards should be kept horizontally, do not storage the product vertical way in order to avoid any accident risk, and fractures in the gypsum core at the carrying edges. • Temperature conditions during storage and use of gypsum boards shall not exceed 54°C (125°F), avoid any humidity contact risk such as water or steam leak. • Transit or additional loads on the pallets should be avoided (like storing trays or product boxes over the board pallet). • X-terium gypsum boards withstand periods of direct exposure, once installed in steel frames, up to 12 months without a ect their physical characteristics.



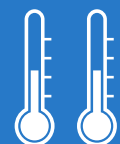
	PZAS/PALLET	NUMBER OF STACKED PALLETS
Plaka X-TERIUM 12,7 mm (1/2")	60	7



Aligned



Environment



Temperature



Transit



SECURITY AND HYGIENE

During the product handling and installation wear basic personal safety equipment such as gloves, safety glasses, hard hat and safety boots. Use a NIOSH / MSHA mask during the installation of Xterium gypsum board is particularly important to avoid fiberglass dust or particles aspiration during long time periods when installing.

- If product manually transport is needed, it must be done by two persons wearing also a containment belt in the waist to avoid physical injuries, in addition to carry the boards as glass sheets. Do not carry the boards on the back, walking movements can cause fractures and weaken the product's core and physical injuries to the operator.
- In case of product's long time storage before installation, cover the pallets with a plastic, thick cloth, or tarpaulin to avoid exposure to moisture (if the relative humidity of the environment at the site is 60% or major), dust, or volatile agents.
- Keep the site properly ventilated during managing and installation.



INSTALLATION

For façade walls is recommended to build a reinforced concrete platform of at least 6 inches high by the total width of the wall system and all along before start the frame installation in order to avoid possible water infiltrations in the system base caused by waterlogging.

STEP BY STEP

Before attaching the 22-gauge channel to the concrete base or main structure, place a Tyvek waterproof membrane strip (ref. to TDS Tyvek technique). Install the rest of the frame system following the project specs.

- Cover the steel frame with the Dupont waterproof membrane.
- X-terium board will be screw attached to 20 –gauge studs placed at 16 in o.c., screws spacing must not exceed 8 inches to centers in each stud.
- In ceilings assemblies, hang the steel frame following the project specifications. 20-gauge furring channels must be placed at 16 inches maximum.
- Xterium Gypsum board must be attached to the furring channels with the proper screws 6 in o. c.
- All accessories such as corner beads, angles or control joints must be plastic, and be screwed to the frame with proper screws, all plastic accessories will subsequently be hidden with BunkerMax Base Coat cement mortar when applying joint treatment.
- Control joints should be considered in both walls and ceiling systems at 20 ft maximum distance in both directions whether interior or exterior applications.
- For EIFS systems, extruded or expanded polystyrene will be installed by adhering the plates to the surface, and with the proper screws with 1 inch diameter plastic caps. The polystyrene surface must accuse the control joints described above, and will receive its own joint treatment.
- For more specific information refer to EIFS or DEFS systems provider to write the complete spec for each project.
- For installation on DEFS exterior walls the whole area should receive a fiberglass mesh embedded with the BunkerMax BaseCoat cement mortar.

SUSTAINABILITY

APPLICABLE STANDARDS

Plaka X-TERIUM, which accredits them as a safe product before and after their installation, without affecting the environment both on site and in its final use.

ASTM C 1177 / C1177M-13
Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing.

ASTM D3273-94
Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.

ASTM C473
Standard Test Methods for Physical Testing of Gypsum Panel Products







ASTM C1280
Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing.

NOM-018-ENER-2011
Thermal Insulation for Buildings - Characteristics and Test Methods



DESIGN & MANUFACTURE

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