ELEPHANT
Gypsum Board

WET AREA
SOLUTION

Elephant Partition System

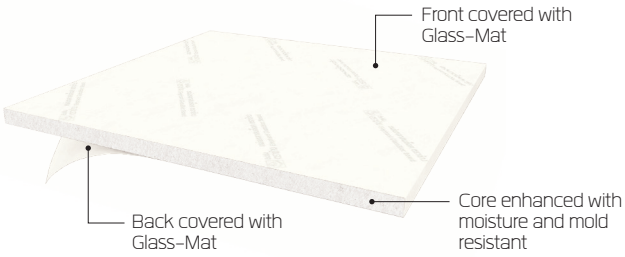
siamgypsum.com/en_ex

Elephant Wet Area Partition Board

Elephant Gypsum Board has developed a variety of moisture resistant boards to meet the customer's needs.

Elephant Glass-Mat Board

SPECIAL PARTITION BOARD FOR LONG-TERM USE



Gypsum board with green GlassBloc layer that contains inorganic material up to 98%, provides high humidity resistance and mold protection.

Suitable for use as a partition in a high-humidity area before being covered with tile or granite slab. It is a new innovation in design and construction that allows the use of gypsum board in all areas of the building.

Product Information

Thickness	12.7 mm. and 15.9 mm.
Size	1200x2400 mm.
Weight	31.4 kg and 40.3 kg
Edge	Tapered

Thickness	12.7 mm. and 15.9 mm.
Size	4x8 ft.
Weight	32.5 kg and 41.7 kg
Edge	Tapered

Properties

Strong & Durable
Able to handle the tile weight up to 75* kg/m^2

Moisture Resistant
Less than 5% water absorption following ASTM C1177, ASTM C1178 and EN 15283-1 standard.

Highest Mold Resistant Score
Tier 10 out of 10 following ASTM D3273 standard.

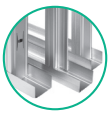
Fire Resistant
Able to be used as a fire resist wall with more than 1 hour fire resistance for 15.9 mm. thickness board.

Certified
Manufactured following EN 15283-1 standard.

**Installed with XtraWall at least 0.7 mm. thickness and also able to contact Elephant Gypsum Board staff for safety installation instructions.*

System Components

Elephant Glass-Mat Board 12.7 mm. or 15.9 mm.


Elephant ProWall Partition Metal Profile

Durabond 90 Joint Compound

Elephant Cotton Tape at least 3.5 cm. wide

Elephant MultiWall Moisture Resistant

MultiWall enhanced with a moisture-resistant feature while maintaining it's strength, safety and silence features, make it able to be installed in high humidity area like bathroom, kitchen, etc.

Product Information

Thickness	15 mm.	Thickness	15 mm.
Size	1200x2800 mm.	Size	4x8 ft.
Weight	45.7 kg	Weight	40.5 kg
Edge	Tapered	Edge	Tapered

Properties

Strong & Durable MultiWall main feature.
Able to handle the tile weight of up to 32 kg/m^2

Moisture Resistant less than 5% water absorption following TIS 219-2552 and ASTM C1396.

Fire Resistant able to be used as a substitute fire resistant board following TIS 219-2552 with more than 1* hour resistance.

Sound Block with tight core, blocking the sound between rooms.

**For more information, please contact Elephant Gypsum Board.*

Elephant MoistBloc Plus

Elephant MoistBloc Plus focused on moisture resistant properties. Can be used for both walls and ceiling in the bathroom and toilet.

Product Information

Thickness	12 mm.	Thickness	12 mm.
Size	1200x2400 mm.	Size	4x8 ft.
Weight	22.5 kg	Weight	23.2 kg
Edge	Tapered	Edge	Tapered

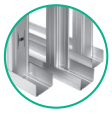
System Components

Elephant MultiWall MR Board 15 mm.

or

Elephant MoistBloc Plus 12 mm.

Jointing Compound Elephant EasyPlas 120 or Easy Joint 120



Partition Metal Profile Elephant ProWall

Elephant Cotton Tape at least 3.5 cm. wide

Elephant Wet Area Partition System

New gypsum partition system for use in bathrooms or high humidity areas. It is an alternative way of building and designing bathrooms in all areas of the building without being restricted by beam structure.

Bathroom System Components

Build a 10 cm. concrete curb around the bathroom area, then install a metal profile followed by gypsum board for wet area on the curb.

System Properties

Strong & Durable use gypsum board that is specially designed for moisture resistant.

Expansion Friendly no changes needed to the existed structure.**

Easy to Install and 2 times* faster than brick walls. Able to make leaking protection and install wall tile without leveling coat needed.

Cost Saving with reduced beam size in the building.

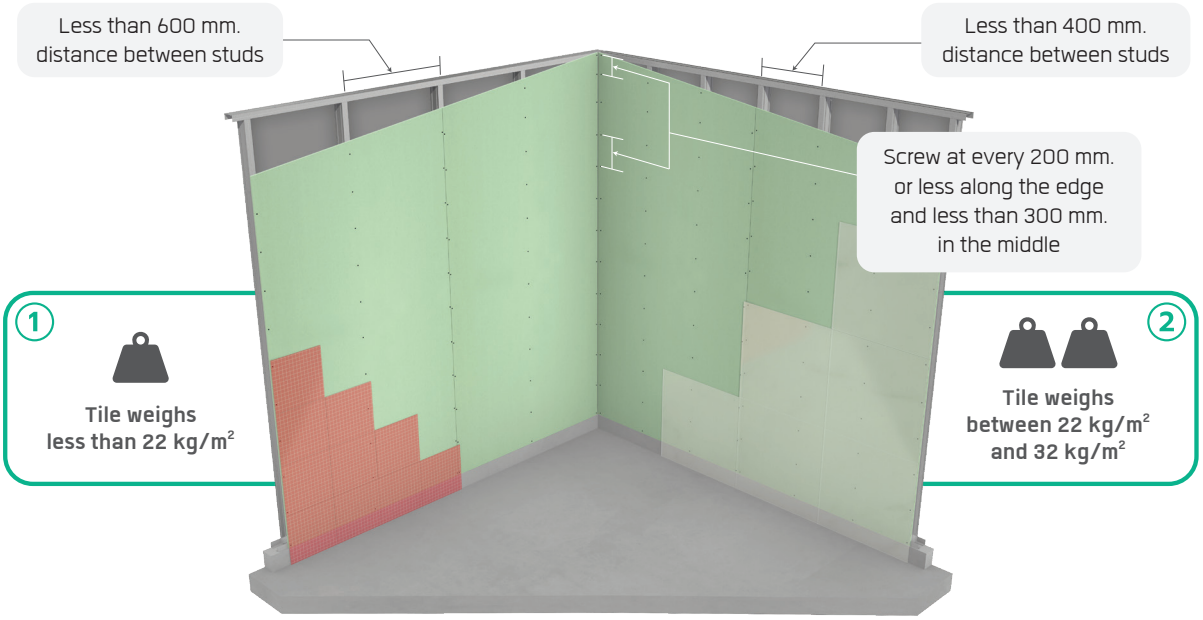
No More Complicated Steps
No need to remove walls for re-installing pipes and wall systems.

Clean reduce garbage dispose cost

**Estimated value from comparing the installation time between Gypsum Board (20 m^2/day) and Brick Wall (10 m^2/day)*

***Elephant MultiWall system with 10 cm. thickness weight around 30 kg/m^2 while brick wall is 180 kg/m^2*

Partition Metal Profile installation based on Tile Weight



1 Recommended wall height when the tile is less than 22 kg/m^2 (grout included)
Example; Ceremic Tile with less than 8 mm. thickness

Distance between studs	Elephant ProWall	Recommended wall height for Elephant Gypsum Board with 1 layer installed on both sides			
		MultiWall	Glass-Mat 15.9 mm.	Glass-Mat 12.7 mm.	MoistBloc Plus 12 mm.
600 mm.	C74	3.8 m.	3.7 m.	3.4 m.	3.3 m.
	C92	4.4 m.	4.2 m.	4.0 m.	3.8 m.

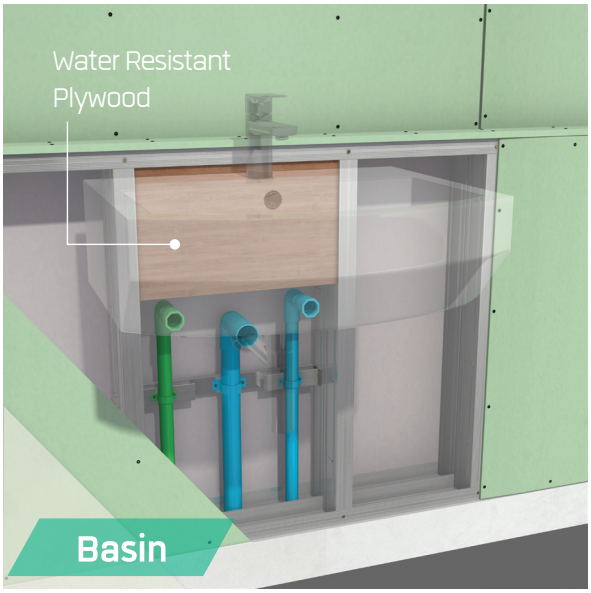
2 Recommended wall height when the tile is less than 32 kg/m^2 (grout included)
Example; Ceremic Tile with less than 10 mm. thickness

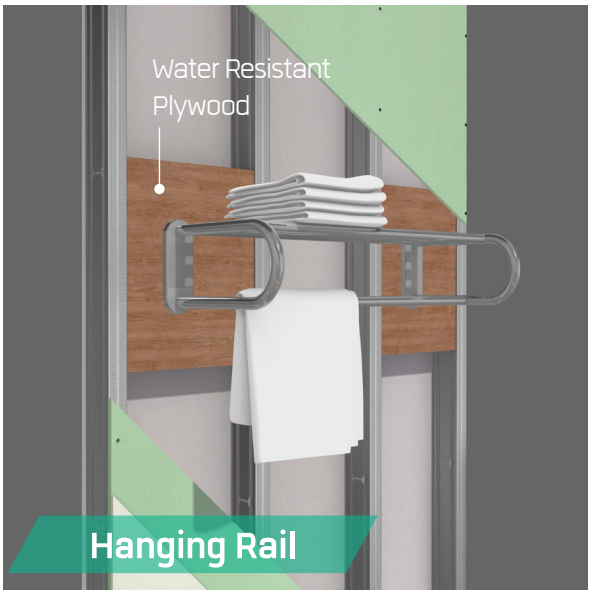
Distance between studs	Elephant ProWall	Recommended wall height for Elephant Gypsum Board with 1 layer installed on both sides			
		MultiWall	Glass-Mat 15.9 mm.	Glass-Mat 12.7 mm.	MoistBloc Plus 12 mm.
400 mm.	C74	4.0 m.	3.9 m.	3.7 m.	3.5 m.
	C92	4.6 m.	4.5 m.	4.2 m.	4.1 m.

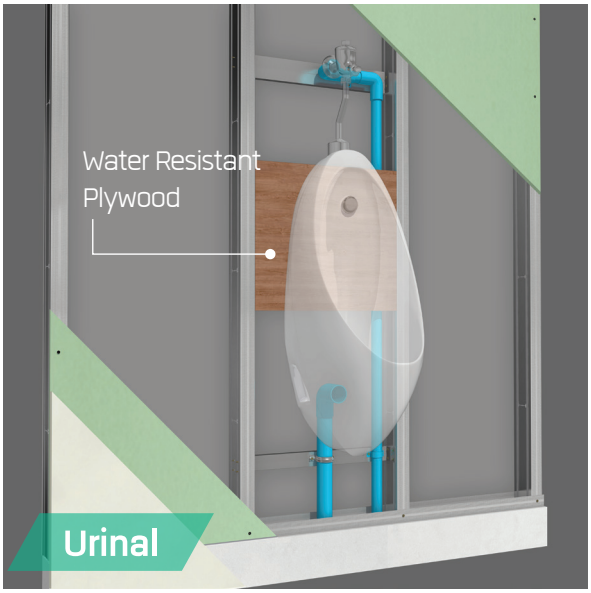
Remark : in case of installing the tile with the weight more than 32 kg/m^2 ,please contact Elephant Gypsum Board staff for instruction.

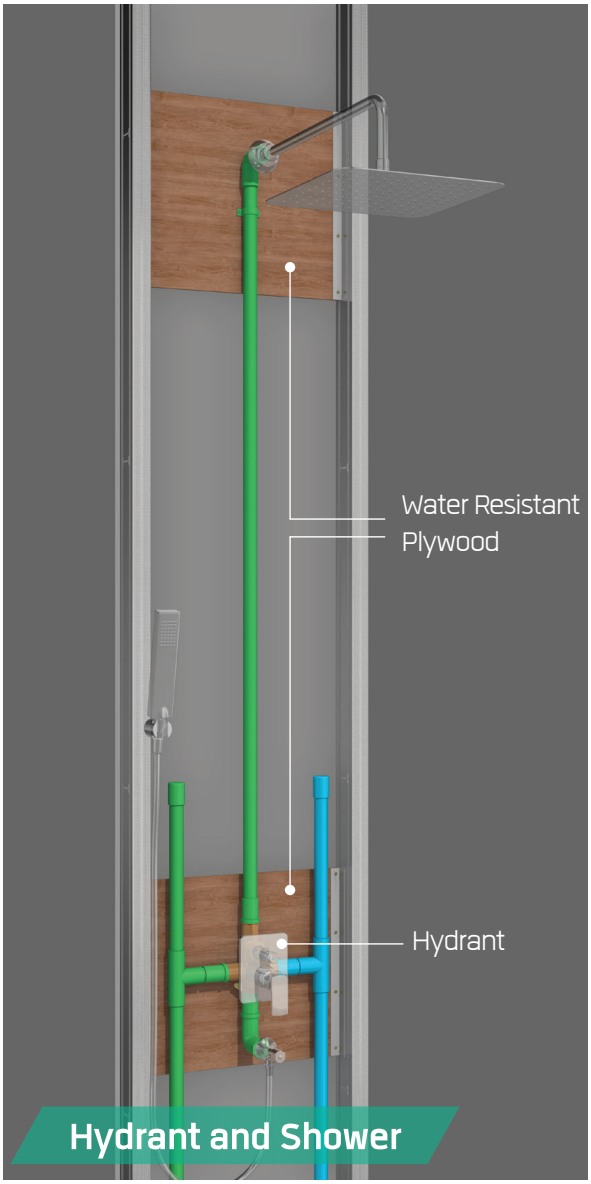
Basin, Shower, Urinal and Hanging Rail Installation

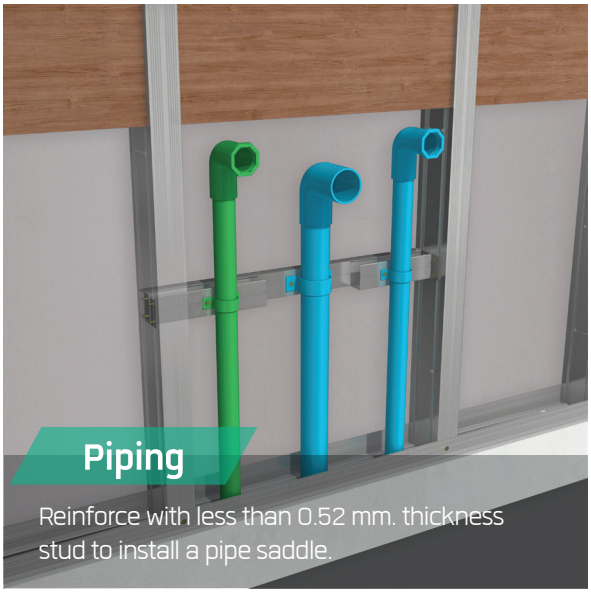
Reinforce the installation area with a wall of more than 12 mm thick plywood.





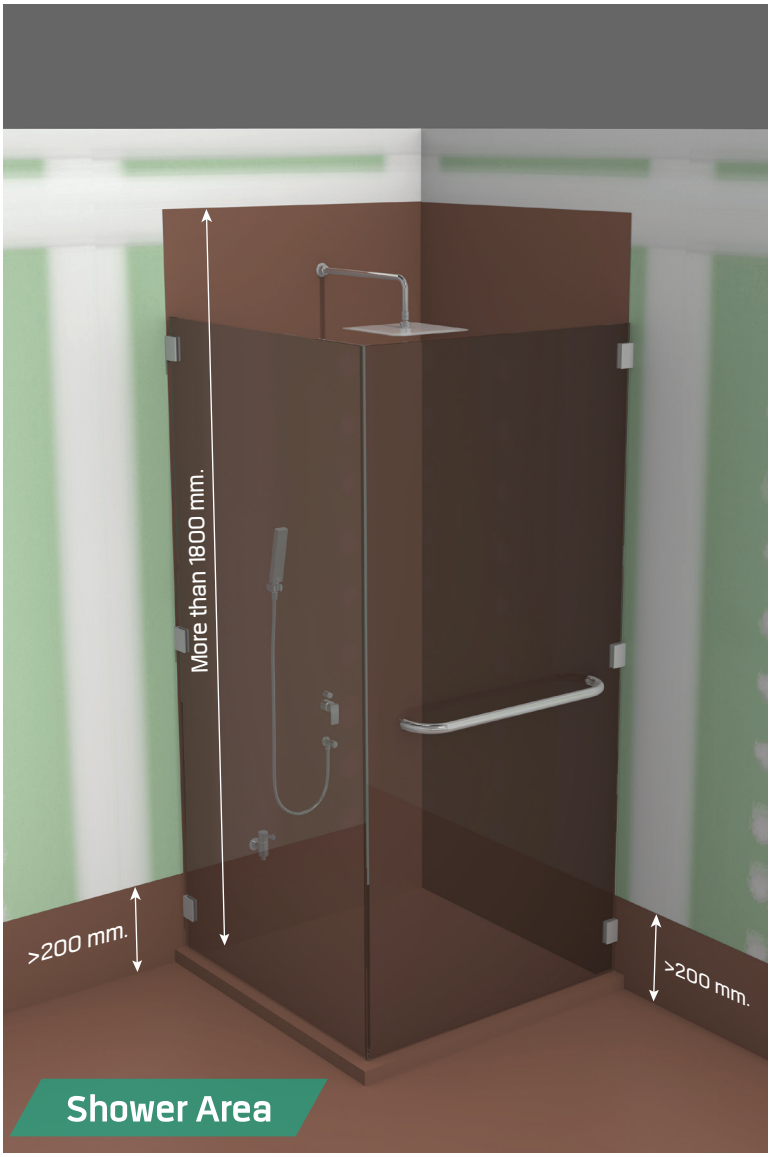


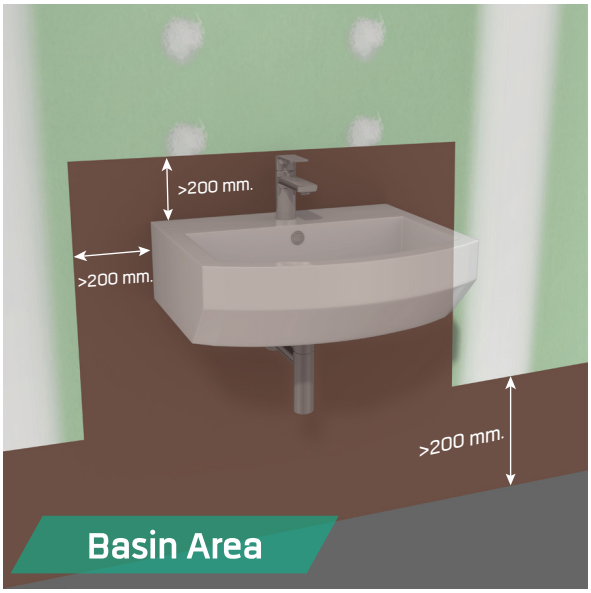


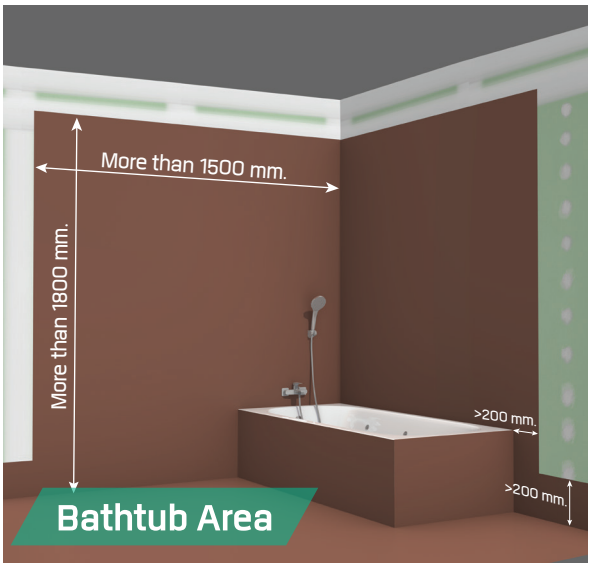


Leakproof System Installation

To install a leakproof system on the Elephant Wet Area Solution System, use a system specially designed for gypsum board and install it according to the manufacturer's instructions. The area that is constantly in contact with water should have a leakproof system installed around it, as shown in the pictures below.







Specifications

Glass-Mat Board usage for wet areas or high humidity areas.

On the wet side, use Elephant Glass-Mat Board size 1200x2400 mm. with a 15.9 mm. or 12.7 mm. thickness certified by EN 15283-1. **On the dry side**, use Elephant MultiWall size 1200x2400 mm. with a 15 mm. thickness certified by TIS 219-2552, ASTM C1396. Fixed with drywall screws 25 mm. or longer at every 200 mm. at every 200 mm. along the edge and at every 300 mm. in the middle of the board. Installed on Elephant ProWall with 0.52 mm. C74 and U76 or C92 and U94 studs and tracks certified by TIS 863-2532 made from Hot-Dipped Galvanized Steel coated with 220 g/m^2 Zinc certified by TIS 50-2561 and JIS G3302. Coat the board joints and screw heads with Durabond 90 Jointing Compound and install a leakproof system for gypsum board on the wet board side and joints following the manufacturer's instructions.

Elephant MultiWall Moisture Resistant for wet areas or high humidity areas.

On the wet side, use Elephant MultiWall Moisture Resistant Board size 1200x2400 mm. with a 15 mm.thickness certified by TIS 219-2552 and ASTM C1396. **On the dry side**, use Elephant MultiWall size 1200x2400 mm. with 15 mm. thickness certified by TIS 219-2552, ASTM C1396. Fixed with drywall screw 25 mm. or longer at every 200 mm. at every 200 mm. along the edge and at every 300 mm. in the middle of the board. Installed on Elephant ProWall with 0.52 mm. C74 and U76 or C92 and U94 studs and tracks certified by TIS 863-2532 made from Hot-Dipped Galvanized Steel coated with 220 g/m^2 Zinc certified by TIS 50-2561 and JIS G3302. Coat the board joints and screw heads with Durabond 90 Jointing Compound and install leakproof system for gypsum board on the wet side and joints following the manufacturer's instructions.

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The Siam Gypsum Industry (Saraburi) Co., Ltd.
Pakin Building, 5th floor, 9 Ratchadapisek Road,
Dindang, Bangkok 10400 Tel. : (+66) 2-555-0000
A product of Knauf Group

www.siamgypsum.com/en_ex