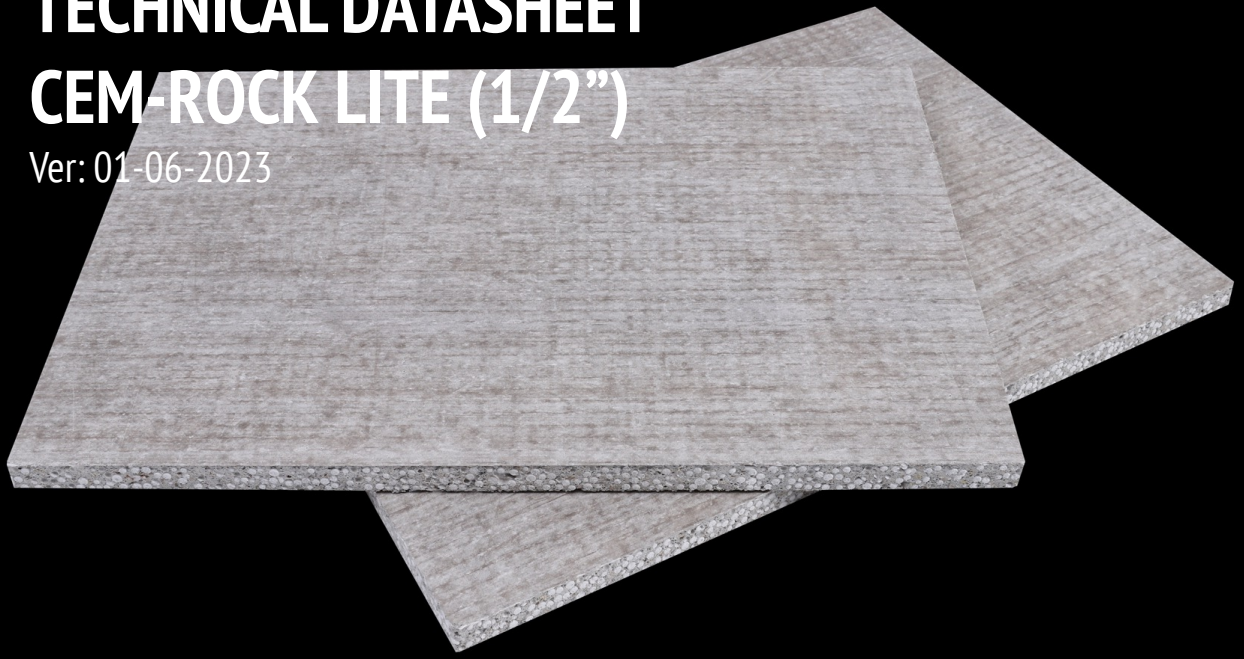


TECHNICAL DATASHEET

CEM-ROCK LITE (1/2")

Ver: 01-06-2023



CEM-ROCK®

LITE

www.cemrock.net



Light Weight



Fire Resistance



Water Resistance



Sound Insulation



Moisture Resistance



Eco-Friendly

Concrete Decor Store
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Description

Cem-Rock® LITE Board is a MGO based EPS bonded board which is a multi-purpose highly durable non-combustible board for use in applications requiring a combination of moisture and thermal resistance as well as superior performance in fire. It is an ideal substrate for exterior walls, interior partitions, tile backing for wet and humid areas, floor underlayment, fire rated door core, internal and external ceiling, soffit, structural insulated panels and exterior finishing systems EIFS/ETICS. Cem-Rock® LITE Board is one of the lightest cement board in the market making it easy to use on site.

Characteristics

- Light weight multi-purpose board
- Suitable for wet areas
- Ideal tile backer board
- Non-combustible ASTM E-84
- Lighter than fiber cement boards
- Easy to cut, screw and install on steel and timber frames

Application

- Internal Partitions
- Backer Board for the Wet Areas
- External Sheathing Behind Rain Screen Systems
- External Render Carrier Board.

Color Appearance

- Grey

Sizes and Packaging

Size	Thickness	Horizontal Pallet	Vertical Pallet	20ft Container	40ft Container
(ft)	(inches)	(no. of boards)	(no. of boards)	(no. of boards)	(no. of boards)
4ft x 8ft	1/2"	65	74	556	1003

Loading and Unloading Boards

Cem-Rock® LITE Board are supplied on pallets suitable for fork lift unloading by fork lift. If off-loading by crane and slings is envisaged, care should be taken to avoid damaging the edges of the boards. All pallets and crates can be safely handled by using a fork lift or hoisting equipment and straps. Steel cables or chains should not be used as they will damage both the pallet and the boards.

Where crates are removed from a box container, care should be taken not to subject crates and pallets to any impact shock, as this could result in cracking of the boards. Always drive the delivery vehicle as close as possible to where the boards are to be used. When transporting the boards, it is essential to secure the pallets to prevent sliding. If the boards are subsequently moved around the site, they should be placed on a rigid base suitable for lifting by forklift. Cem-Rock® LITE Boards should always be stored on a rigid base.

Storage

All Cem-Rock® LITE Boards are supplied with a protective plastic sheet wrap. This protection should not be removed until the boards are ready for use. In general, the following steps should be taken to ensure that the boards remain in good condition during storage. All Cem-Rock® LITE Boards should be stored on covered and dry level ground, away from the working area or mechanical plant.

Pallets should be stored safely on firm level ground. If two or more pallets are stacked, the following guidance as well as local legislation and regulations must be observed. The number of pallets per stack is mainly determined by site conditions such as ground conditions, flatness and load capacity of the ground.

Cem-Rock Lite Board - Technical Properties

Property	Testing Standard	Result
Dimensions (thickness x width x length)		1/2" x 4' x 8' (12x1220x2440mm)
Dimension Tolerances	ASTM C1185	Tolerance: Squareness: Length: Length: 2mm(0.1%) 0.95mm/600mm Width: Width: 1mm(0.1%) 0.25mm/600mm Thickness: 1% Straightness: Length: 0.50mm/m Width: 0.25mm/m
Weight	ASTM C1185	48 lbs Per 4x8' 1/2" Sheet
Density	ASTM C1185	46.82 lbs/f3
Flexural strength (Modulus of Rapture)	ASTM C1185 EN 12467:2012	I 1003 kPa II 8500 kPa
Freeze/thaw cycling	ASTM C66 EN 12467:2012	Passed with no disintegration
Moisture movement	ASTM C1185 EN 12467:2012	Parallel: 0.02% Perpendicular: 0.06%
Water Impermeability	ASTM C1185 EN 12467:2012	Pass
Heat Rain	ASTM C1185 EN 12467:2012	Pass
Nail-head pull through	ASTM D1037	750N
Thermal Conductivity	ASTM C177	0.39 W/Km
Mould Growth	MOAT33	Pass
Crying test (to British Board of Agreement specification)	ASTM C1396	Pass
Surface Burning	ASTM E84-15a	Flame Spread Index: 0 Smoke Development Index: 0
Fire Rating (Internal Wall Partition)	BS 476	90 Minutes
Fire Rating (External Walls)	EN 1364	90 Minutes
Combustibility	EN13501-1	A1 Classification
Adhesion Test (PROSOCO)	ASTM D 4541	Passed