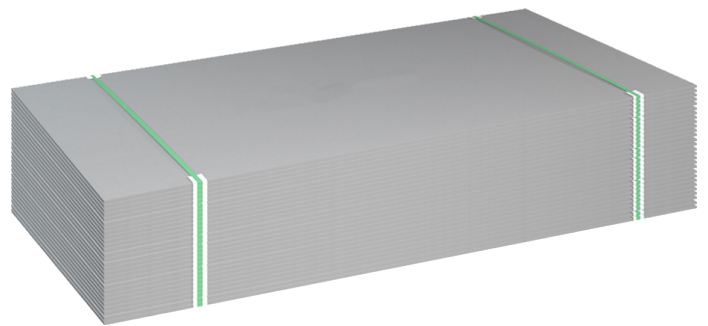
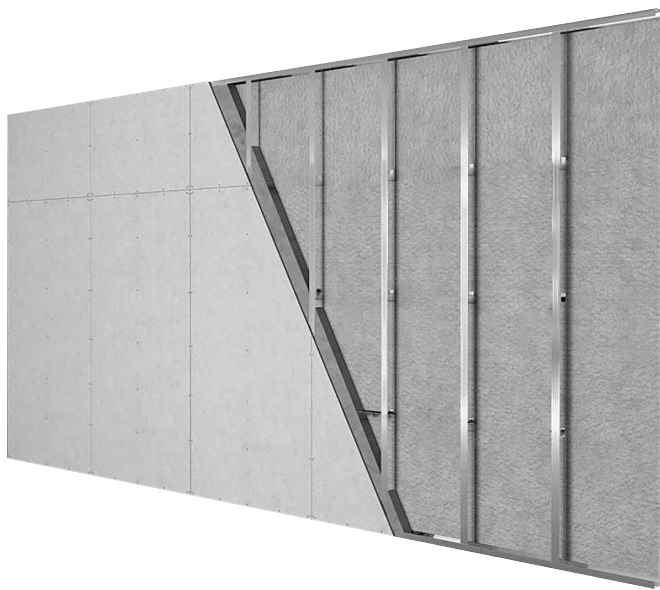


POLYROCK 1500 CEMENT BOARD

Specification Sheet



DESCRIPTION

PolyROCK 1500, is a newly formulated, Hi-Performance Cement Board. PolyROCK 1500 features increased flexural strength, along with excellent moisture resistance, making PolyROCK 1500 ideal for a wide variety of applications. It offers architects, builders, and contractors a strong, durable base, for almost every project. PolyROCK 1500 is grey in colour, with a smooth front and a lightly textured back. All ingredients are also non-toxic and asbestos free.

COMPOSITION OF PRODUCT

PolyROCK 1500 Cement board, is made of a combination of Portland Cement, Basalt fibre, aggregates and reinforcing glass fibre mesh.

PRODUCT DATA

Sizes and Packaging

Sizes and Packaging Sizes	Pieces / Pallet
6mm x 1220mm x 2440mm	100sheets
8mm x 1220mm x 2440mm	75sheets
11mm x 1220mm x 2440mm	50sheets
14mm x 1220mm x 2440mm	40sheets
17mm x 1220mm x 2440mm	35sheets

ADVANTAGES

- Best water resistance on the market (wont swell or disintegrate)
- Hi-impact resistance
- Semi-flexible
- For interior/ exterior use
- Non-combustible
- Glass fibre reinforced.
- Mould/mildew resistant
- Versatile
- Easy to use
- Excellent handling

HANDLING & STORAGE

- Boards must be stored & transported while laying flat
- Do not stack pallets more than 3 stacks high
- Boards should be carried vertically on edge, rather than carrying flat (horizontal)
- Do not install wet boards
- Ensure boards are properly supported below when storing, in order to prevent distortion.

EXTERIOR

For exterior usage, a minimum of PolyROCK 11mm thick should be used. Studs spacing should be a maximum of 16” on center, and be designed to support a maximum allowable deflection of L/360. When installed, edges of PolyROCK should not be butted together, but left with a 3mm space. (Joints should always be backed by a framing member) This space should then be filled with PolyROCK Base Coat filler and 1-2 layers of 4” fiberglass tape applied. PolyROCK Cement Board joints should be staggered and not in a continuous line, which will assist in resistance to cracking. Screw spacing should be 8inches on center. Control/Expansion joints must be used every 12-16ft, being installed between two vertical members. They are to be left “open” and unfilled, in order to allow for movement, and mitigate against cracking. Once PolyROCK 1500 Cement Board and PolyROCK Base Coat have been applied, allow to dry for 24 hours. Once Base Coat is fully dried, you may now apply a layer of PolyROCK Top Coat to finish.

INTERIOR

For interior usage, a minimum of PolyROCK 8mm thick should be used. Studs spacing should be a maximum of 16” on center, and be designed to support a maximum allowable deflection of L/360. When installed, edges of PolyROCK should not be butted together, but left with a 3mm space. This space should then be filled with PolyROCK Base Coat and covered with 2” fiberglass tape. PolyROCK joints should be staggered and not in a continuous line, which will assist in resistance to cracking. Screw spacing should be 8inches on center. Control/Expansion joints must be used every 30ft, being installed between two vertical members. They are to be left “open” and unfilled, in order to allow for movement, and mitigate against cracking. Once PolyROCK 1500 Cement Board and PolyROCK Base Coat have been applied, allow to dry for 24 hours. Once Base Coat is fully dried, you may now apply a layer of PolyROCK Top Coat to finish.

CEILING

For ceiling usage, PolyROCK 8mm thickness should be used. Furring channel spacing should be a maximum of 16” on center, and be designed to support a maximum allowable deflection of L/360. The edges of PolyROCK parallel to the furring channel framing should be supported. This is to mitigate any sagging from occurring over time. PolyROCK joints should also be staggered and not in a continuous line, which will assist in resistance to cracking.

FLOORING

For light residential flooring the minimum thickness to be used is PolyROCK 17mm. Stud /joist spacing should be a maximum of 12-16” inches apart on center. Ensure that the edges of PolyROCK parallel to the stud framing are supported. The joists/ stud subfloor assembly must meet L/360, as well as the appropriate building codes for live and dead loads. PolyROCK joints should be staggered and not in a continuous line, which will assist in resistance to cracking.

LIMITATIONS

- Do not use PolyROCK 1500 as a load bearing member
- Use only Alkali – resistant fiber glass tape for joints. Not Gypsum drywall tape.
- Do not use Gypsum joint compound with/on PolyRock 1500
- If used with steel framing, 20guage (galvanized) or higher must be used for walls
- Do not exceed 24’ in. / 610mm as maximum spacing when using PolyROCK 1500. Framing shall be designed based on stud properties, and not to exceed L/360 for the span.
- PolyROCK 1500 is not a water proof barrier, a water proofing member must be applied before using in shower enclosures
- A moisture barrier should be used when combining PolyROCK and gypsum board for exterior wall panels
- For exterior applications, PolyROCK 1500 should not be exposed for longer than 90 days, before applying a finishing coating.
- PolyROCK 1500 Cement Board joints, must always be joined on a framing member

POLYROCK 1500 CEMENT BOARD

TECHNICAL DATA CHART

Property	1/2
Thickness, Nominal	11mm
Weight, Nominal	49Kg (3.4lbs./sq.ft.)
Density	500Kg/m ³
Edges	Square
Flexural Strength	≥1450psi / 10MPa
Compressive Strength	≥2500psi / 17.2MPa
Fastener Holding	≥90lbs
Shear Bond Strength	>50psi
Water Absorption (% of weight over 24 hrs)	≤07%
Surface Burning Characteristics	Class A
Flame Spread	0
Smoke Developmen	0
Mold Resistance	10/10 No Growth

APPLICATIONS /USES

- Exterior Walls
- Facades
- Exterior Ceilings
- Residential or Commercial
- Pre-engineered Buildings
- Houses or Offices
- Bathrooms
- Showers
- Kitchens
- Tile backing
- Counter tops
- Floors
- Laundries

MAINTENANCE

- Once installed correctly, PolyROCK requires no special maintenance.
- Take immediate / appropriate action if any leaks are identified.
- Maintain final wall finish, to protect supporting structure.

TECHNICAL SERVICES & INFORMATION

For any technical assistance/advice, please contact: info@omegamanufacturing.co

RELATED PRODUCTS



- PolyROCK Self Leveling Compound
- PolyROCK Floor Patch
- Kalmatron
- Aluminium light frames 2x2, 4x2



DANGER/HEALTH PRECAUTIONS

Using this product may cause skin irritation, eye damage, or respiratory irritation. Please read Safety Data Sheet instructions before using this product. The appropriate eye wear, dusk mask, and gloves should be worn at all times when cutting/installing this product.

