POLYROCK 1000 CEMENT BOARD

Specification Sheet

DESCRIPTION

PolyROCK 1000, is a Light weight high performance Cement Board. PolyROCK 1000 features increased flexural strength, along with excellent moisture resistance, making PolyROCK 1000 ideal for a wide variety of applications. It offers architects, builders, and contractors a strong, durable base, for almost every project. PolyROCK 1000 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 1000 Cement board, is a light weight Cement Board made of a combination of Portland Cement, Basalt fibre, aggregates and reinforcing glass fibre mesh.

PRODUCT DATA

Sizes and Packaging Sizes	Pieces / Pallet
11mm x 1220mm x 2440mm	50Sheets

ADVANTAGES

- Best water resistance on the market (wont swell or disintegrate)
- Will easily cut, score, and snap with utility knife
- Light Weight
- Flexible
- For interior/ exterior use
- Non-combustible
- Glass fiber reinforced.
- Mould/mildew resistant
- Easy to use
- Excellent handling

HANDLING & STORAGE

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

INTERIOR

PolyROCK 1000 is mainly intended for use in bathrooms as a backer board. PolyROCK 1000 can also be used for interior walls, with studs spacing at 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 horizontal joints should be staggered and not in a continuous line, which will assist in resistance to cracking. Screw spacing should be 8 inches on center. Control/Expansion joints must be used every 30ft, being installed between two vertical members. In order to allow for movement, and mitigate against cracking , the Control joint should remain open or it can be filled with flexible urethane filler. Once PolyROCK 1000 Cement Board has been installed and PolyROCK Base Coat 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.

EXTERIOR

PolyROCK 1000 Cement Board is not recommended for exterior use within the Caribbean region, due to potential high wind loads in excess of local building code requirements. Omega advises using PolyROCK 1500 for exterior applications, and be designed to support a maximum allowable deflection of L/360.

CEILINGS

For ceiling usage, PolyROCK 1000 can 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.

FLOORINIG

For undergarment purposes, PolyROCK 1000 Cement Board can be used as an interface for tiling. Combine with 3/4" tongue and groove exterior grade plywood or suitable substrate flooring, for a strong and durable floor base. Use base coat adhesive to bond PolyROCK 1000, while also ensuring that PolyROCK joints do not directly line up with any ply wood joints below. The joists/ stud subfloor assembly must meet L/360, as well as the appropriate building codes for live and dead loads.

LIMITATIONS

- Do no used PolyROCK 1000 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 1000
- If used with steel framing, 20guage (galvanized) or higher must be used for walls
- Do not exceed 16' in. / 406mm as maximum spacing when using PolyROCK 1000.
- Framing shall be designed based on stud properties, and not to exceed L/360 for the span.
- PolyROCK 1000 is not a water proof barrier, a water proofing member must be applied before using in shower enclosures
- PolyROCK 1000 Cement Board joints, must always be joined on a framing member

POLYROCK 1000 CEMENT BOARD

TECHNICAL DATA CHART

Property	PolyRock 1000
Thickness, Nominal	11mm
Weight, Nominal	38.5Kg (2.6lbs./sq.ft.)
Density	950-1000Kg/m
Edges	Square
Flexural Strength	≥1000psi / 6.9MPa
Compressive Strength	≥1250psi / 8.6MPa
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

LOAD CHART

Uniform Load – 11mm 4 x 8 – PolyROCK 1000

Stud Spacing	Fastener Spacing	Design Wind Load L/240	Design Wind Load L/360
12″	8″	35psf	35psf
12″	6″	44psf	45psf
16″	8″	27psf	21psf
16″	6″	31psf	22psf

APPLICATIONS /USES

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

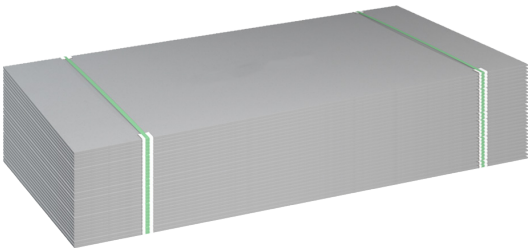
MAINTENANCE

- 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 Foor 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.

MANUFACTURED BY:

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