

SECO LITE®

The Future of Cement Board



Product Description

SECOLITE® cement board is a light-weight board made of Portland cement, aggregates and other inorganic materials, reinforced on both sides with embedded glass fiber.

Secolite® Cement Board is ideal for use in demanding environments. It can be used in both indoor and outdoor applications.

Product Characteristics

- Water resistant
- Mold resistant
- Weather-proof and durable
- Impact resistant and dimensionally stable
- Does not rot
- Easy to cut, handle and install
- Non-combustible according to EN13501-1

Product Information

Standard Thickness	12.5 mm
Standard Width	1200 mm
Standard Lengths	2000 mm, 2400 mm

SECOLITE® cement board is supplied strapped to wooden pallets. Maximum weight is 1500 kg to facilitate handling at site facilities. Individual pallet weights may vary. Non-standard dimensions are available on request. Minimum order quantities will apply.

Technical Characteristics 12.5 mm (According to EAD 210024-00-0504)

Classification	Type NT /Category B Class I
Nominal Thickness Variation (EN 12467)	± 10% of nominal
Nominal Width Variation (EN 12467)	± 0.3% of nominal, Level I
Nominal Length Variation (EN 12467)	± 5 mm, Level I
Straightness of Edges (EN 12467)	≤ 0.1%, Level I
Squareness of Edges (EN 12467)	≤ 4 mm/m, Level II
Apparent Density (EN 12467)	1000 kg/m ³ ± 10%

Cofinanciado por:

January 1st 2022

Moisture Content	(EN 322)	10% ± 2.5
Water Impermeability (12.5 mm)	(EN 12467)	Impermeable, No Drops
Dimensional Stability (Length)	(EN 318)	$\delta l_{65,85} = 0.01\%$, $\delta l_{65,30} = -0.03\%$
Dimensional Stability (Thickness)	(EN 318)	$\delta t_{65,85} = 0.1\%$, $\delta t_{65,30} = -0.1\%$
Bending Strength (MOR)	(EN 12467)	> 4 MPa
Pull Through Resistance Screws - Secolite® Cement Board Screws SD	(EN 1383)	$f_{head,k} = 11.18$ MPa
Water Absorption	(EAD 210024-504)	11% ± 5
Freeze-thaw Resistance	(EN12467)	Pass, 25 cycles, $R_L = 0.93$
Warm Water Resistance	(EN12467)	Pass, $R_L = 0.76$
Soak-dry Resistance	(EN12467)	Pass, 25 cycles $R_L = 0.84$
Heat-rain Resistance	(EN12467)	Pass, 25 cycles
Reaction to Fire	(EN 13501)	A1 non-combustible
Vapour Transmission	(EN ISO 12572)	$\mu = 40.9$
Thermal Conductivity	(EN 12664)	0.223 W/(m*°K)
Mold Resistance		No Growth

Applications

Secolite® Cement Board is used in the construction of interior and exterior walls, ceilings and floors. Secolite® Cement Board can be finished directly, used as a substrate for tiles and other decorative coatings or as an integral component of ETICS.

Installation

Secolite® Cement Board can be installed vertically or horizontally on steel or wood framing. It is easily cut to size with a utility knife and is fastened to the studs with Secolite® alkali resistant cement board screws. Joints are formed using Secolite® Joint Adhesive and can be finished with Secolite® reinforcing tape and Secolite® Joint Filler.

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Storage and Transport

Secolite® Cement Boards are delivered on pallets of 40 pieces. A forklift capable to safely lift 2000 kg should be used to lift and move pallets of boards. Ensure that storage areas can support the weight of the pallets and boards (up to 1500 kg/pallet). Care must be taken to ensure that stacks are stable when pallets are stored on top of one another. Do not stack Secolite Cement Board more than 6 pallets high.

Secolite® Cement Boards should be stored in a dry location and protected from prolonged exposure to excess moisture. Allow boards to acclimate to ambient moisture and humidity conditions prior to installation.

Complimentary Products

A full line of complimentary products and accessories are available for use with Secolite® Cement Board. Our offerings include the following Secolite® Brand products:

- Steel profiles
- Alkali resistant screws
- Joint adhesive, joint tape and joint filler
- Primer
- Mesh Reinforcement
- External basecoat render
- Water resistive barrier film

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