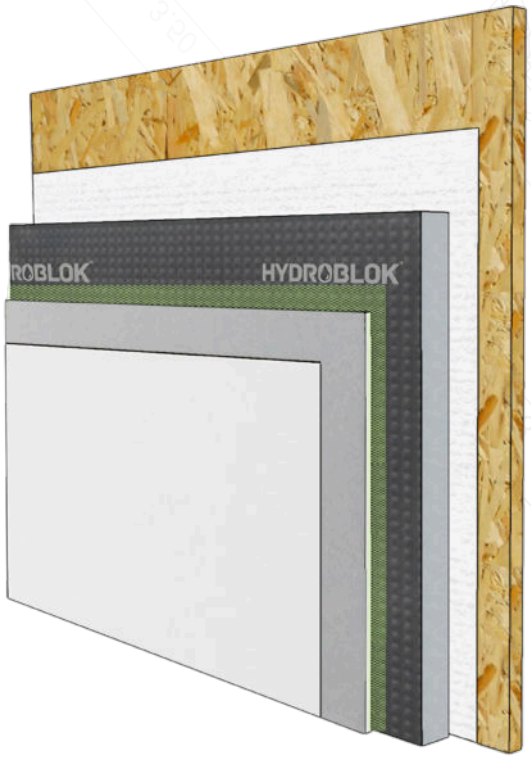
HB ONE™ | BACKER CI



HydroBlok One Backer CI is a lightweight composite backer board that is compatible with most wall claddings. It increases energy efficiency through continuous insulation, along with providing a secondary air and water-resistive barrier (AWRB). The board is made of a mold and moisture resistant XPS insulation coated with a mesh reinforced polymer-modified cement, providing durability, installation speed and energy savings.

HydroBlok One Backer CI can be used on the exterior in both new or retrofit applications for both commercial and residential construction. Backer CI can be installed in almost any air temperature and can also be panelized to accommodate year-round off-site and near-site construction. It minimizes material waste, shortens cure time, reduces steps to completion, and significantly cuts labor hours. Backer CI exterior boards are offered in 1/2”, 1”, 1-1/2”, and 2” thicknesses, with common trims and accessories being compliant with the system. Follow all cladding manufacturer’s installation instructions.

EASY INSTALLATION

Engineered for a dramatically faster and simpler installation when compared to traditional EIFS systems.

COST EFFECTIVE

Labor savings help builders save cost and hit deadlines ahead of time.

CONTINUOUS EXTERIOR INSULATION

Seamless exterior blanket of insulation provides high R-Values, R-5 per inch.

MOISTURE & MOLD RESISTANCE

Highly resistant to water absorption, swell, or rot—eliminating the risk of mold growth and delamination that plagues wood-based sheathing.

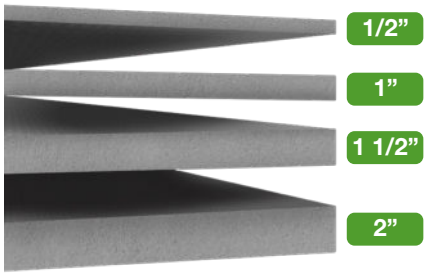
ENERGY EFFICIENCY & AIRTIGHTNESS

HydroBlok creates a continuous vapor and air barrier that enhances insulation performance, reduces drafts, and improves overall energy efficiency.

SUSTAINABILITY

HydroBlok is manufactured using eco-friendly and recyclable materials, free of CFCs and HCFCs. Their lightweight nature reduces transportation emissions, and their high thermal efficiency contributes to reduced energy consumption in buildings.

AVAILABLE SIZES



SKU	DESCRIPTION	R-VALUE	WEIGHT	UOM	UNIT/TRUCKLOAD
HBWB489612	48"x96"x1/2"	R-2.5	20 LBS	88/Pallet	2,112
HBWB48961	48"x96"x1"	R-5	23 LBS	42/Pallet	1008
HBWB4896112	48"x96"x1 1/2"	R-7.5	26 LBS	29/Pallet	696
HBWB48962	48"x96"x2"	R-10	29 LBS	22/Pallet	528

DESIGN

When specifying HydroBlok Backer CI, the following design considerations should be considered:

BOARD ORIENTATION AND LAYOUT
Boards can be installed vertically or horizontally, depending on the specific wall assembly requirements. Stagger vertical seams for increased structural stability and reduced joint stress.

STRUCTURAL FRAMING REQUIREMENTS
HydroBlok can be installed over sheathing on wood or steel framing with studs spaced at 16 inches on center. Use proper fastening methods, such as screws with washers, to meet structural and shear strength requirements.
For areas with high wind loads, additional fastening or bracing may be required as per local building codes and standards to ensure adequate attachment.

THERMAL PERFORMANCE
Consider HydroBlok's R-value when designing for energy efficiency and compliance with energy codes such as IECC. The incorporated continuous insulation minimizes thermal bridging and contributes to air barrier performance.

ENVIRONMENTAL FACTORS
In areas with high UV exposure, ensure that the boards are finished within 90 days to avoid potential degradation of the cementitious coating.

FIRE SAFETY REQUIREMENTS
HydroBlok is fire-rated to 1 hour (ASTM E119) when installed as part of specific assemblies. Verify compliance with local fire safety codes and regulations.

LIMITATIONS

NOT INTENDED FOR CONTINUOUS IMMERSION
HydroBlok should not be installed in environments subject to prolonged water immersion, such as below-grade foundation walls or areas where the system would be submerged. System must terminate a minimum of 6" above soils and 2" above sloped paved surfaces.

UV EXPOSURE PROTECTION RECOMMENDED
While durable, the HydroBlok must be finished with an approved UV-protective coating to prevent degradation from long- term exposure to sunlight.

SEAM AND FASTENER REQUIREMENTS
All seams and fasteners must be properly sealed to ensure optimal performance. Use approved full surface mesh or self-adhered tape over seams and approved sealant or tape over fasteners. Failure to do so may result in moisture infiltration or reduced structural stability.
See installation guide for list of approved materials.

MANUFACTURER'S RECOMMENDATION
To complete the install properly, follow all instructions of the finish material manufacturer as well as industry standards.

OTHER
Do not use HydroBlok panels as a direct nailing base for siding. Follow siding manufacturer's instructions and industry standards when applying mechanically fastened sidings using battens over CI. Steel framing must be when 20-gauge (galvanized) (.0312" design thickness) or heavier.

HANDLING AND PROJECT CONDITIONS

Take adequate precautions while transporting, storing and applying HydroBlok panels. When product(s) is stored on projects, steps must be taken to ensure it is not in contact with the ground and is sheltered and or protected from the elements. HydroBlok panels shall have sufficient supports under the entire length of panels to prevent sagging. Do not apply HydroBlok panels with visible signs of damage.

SPECIFICATION	TESTING STANDARD	RESULT
Flame Spread	ASTM E84	Class A
Fire Resistance	ASTM E119	1 Hour
Water Absorption	ASTM C578	Less than 1%
Water Vapor Transmission	Meets ASTM C578	Meets ASTM E96
Freeze/Thaw Resistance	ASTM C666	PASSED
Fungus/Bacteria Resistance	ASTM D4551-12	PASSED
ICC-ES Evaluation	ESR 5559	PUBLISHED



NOTE: Visit learn.hydroblok.com for full application information.