DEXcell® Roof Board

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One Name for Every Application

National Gypsum®

Exclusive service provider of DEXcell®

DEXcell® gypsum roof board products are manufactured by Gold Bond Building Products, LLC.
DEXcell® cement roof board products are manufactured by PermaBASE Building Products, LLC.

We've got you covered.

In today's commercial construction, the roof is more than just a barrier against the elements — it's a critical asset that protects your building's infrastructure, equipment and long-term performance. That's why every specifier knows that one extra layer is the difference between problems and peace of mind.

Cover boards, such as glass-faced gypsum and cement boards, provide proven long-term protection for both the membrane above and the insulation below. By adding a hard cover board, you create a smooth, durable surface that stands up to foot and equipment traffic, improves fire and wind ratings and helps prevent leaks, bubbling and blistering. Industry associations have recommended cover boards for decades, recognizing their role in extending roof life and defending against storms, hail and routine maintenance damage.

Whether you're designing for hospitals, schools, data centers or government buildings, roof cover boards are the smart choice for resilience, performance and worry-free reliability.

When it comes to protecting your commercial roofing investment, DEXcell® Roof Board products deliver more than just proven performance — they offer confidence. With a nationwide network of manufacturing plants and more than 30 system partners, DEXcell ensures you have access to four versatile roof board options, trusted by every leading low-slope roofing system across the country.

The DEXcell commitment to exceptional quality is backed by rigorous third-party testing, advanced fiberglass mat technology and continuous research and development. DEXcell's sealed surface technology makes installation easier, while our products consistently meet the industry's highest standards.

From specification to installation, our dedicated team — boasting decades of building materials expertise — stands ready to support you. With award-winning customer service, a robust technical rep network, and comprehensive resources, DEXcell is your partner for every phase of the project.

DEXcell Roof Boards: Engineered to strengthen every system with nationwide access, exceptional quality and unparalleled support.

Four great products. Many great partners.

GAF
CARLISLE SYNTEC SYSTEMS
Johns Manville
ELEVATE
Sika ROOFING
siplast
VERSICO ROOFING SYSTEMS
GARLAND
GENFLEX
SOPREMA
KEMPER SYSTEM
POLYGLASS MAPEI GROUP
Fiberlite Seaman Corporation
DURO-LAST THE WORLD'S BEST ROOF
PERFORMANCE ROOF SYSTEMS A SOPREMA GROUP COMPANY
IB Roof Systems
IKO COMMERCIAL
Flex

DEXcell Roof Boards

DEXcell® Glass Mat Roof Board

DEXcell® Glass Mat Roof Board is recommended for mechanically attached single-ply membranes and metal and fire/thermal barrier applications. It's manufactured with coated fiberglass facers and an enhanced moisture-resistant gypsum core. And it's coated on the front, back and sides for easy handling.

KEY FEATURES

- High-density coverboard/thermal barrier.
- Scores and snaps easily.
- Manufactured to meet ASTM C1177.
- Use as a part of a Class A, B or C roof covering.
- Tested in accordance with UL 1256, CAN/ULC-S126 or FM 4450.
- Available in 1/4", 1/2" and 5/8" thicknesses and 4'×8'.

DEXcell FA® Glass Mat Roof Board

DEXcell FA® Glass Mat Roof Board is recommended for fully adhered single-ply membranes, modified bitumen (cold applied), fluid applied, metal and spray foam. It's also used on the roof side of parapet walls.

KEY FEATURES

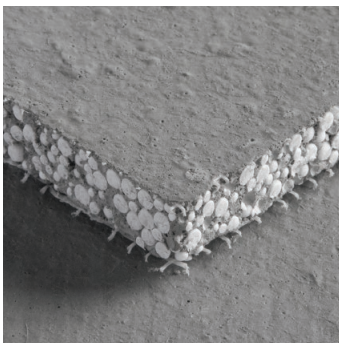
- High-density coverboard/thermal barrier.
- Heavy-duty coated fiberglass facers for improved handling, strength and adhesion.
- Scores and snaps easily.
- Manufactured to meet ASTM C1177.
- Available in 1/4", 1/2" and 5/8" thicknesses, and 4'×4' and 4'×8'.

DEXcell FA VSH® Glass Mat Roof Board

DEXcell FA VSH® Glass Mat Roof Board is an excellent choice for applications requiring maximum hail and puncture resistance. Enhanced wind uplift, fire and moisture resistance and dimensional stability help to protect the assembly and the building owner's investment.

KEY FEATURES

- Achieves FM VSH approval for single ply membrane assemblies.
- For mechanically attached and adhered assemblies.
- Easier to handle and install.
- Available in 5/8" thickness and 4'x4' and 4'x8' sizes.
- Manufactured to meet ASTM C1177.



DEXcell® Cement Roof Board

Whenever a building will be exposed to moisture or high humidity, DEXcell® Cement Roof Board is the smart choice. It is manufactured with Portland cement, lightweight aggregate and glass mesh that provides an exceptionally hard, durable surface.

KEY FEATURES

Suitable for all roof systems, including, but not limited to, fully adhered single-ply membrane, mechanically attached roof systems, modified bitumen, built-up roof systems, fluid applied, metal and spray foam. It's also used on the roof side of parapet walls.

- Excellent bond/pull-through uplift values.
- Ideal for hot-mopped and torched applications.
- Superior moisture resistance.
- Manufactured to meet ASTM C1325.

Choose the Best DEXcell® Product for Your Project

Application	DEXcell® Glass Mat Roof Board	DEXcell FA® Glass Mat Roof Board	DEXcell FA VSH® Glass Mat Roof Board	DEXcell® Cement Roof Board
Single-Ply – Fully Adhered	—	✓	✓	✓
Single-Ply – Mechanically Attached	✓	✓	✓	✓
Single-Ply – Self Adhered	—	✓	✓	✓
Modified Bitumen – Hot Mop	—	✓	✓	✓
Modified Bitumen – Cold Adhesive	—	✓	✓	✓
Modified Bitumen – Torch	—	✓	✓	✓
Modified Bitumen – Self Adhered	—	✓	✓	✓
Built-Up Roof (BUR) – Hot Mop	—	—	—	✓
Built-Up Roof (BUR) – Cold	—	✓	✓	✓
Spray Polyurethane Foam	—	✓	✓	✓
Fluid Applied	—	✓	✓	✓
Thermal Barrier	✓	✓	✓	✓
Fire Barrier	✓	✓	✓	✓
Substrate for Vapor Barrier	✓	✓	✓	✓
Substrate for Parapet Wall	—	✓	✓	✓
Very Severe Hail - Modified Bitumen	—	✓	✓	—
Very Severe Hail - Single-Ply	—	—	✓	—
Vegetative “Green” Roof System	—	✓	✓	✓
Photovoltaic Roof System	—	✓	✓	✓
Standing-Seam Metal Roof System	✓	✓	✓	✓
Wood Shake Underlayment	✓	✓	✓	✓

✓ Recommended ✓ Acceptable — Not Recommended*

*Indicates product applications that may be used successfully, but may not be optimal in terms of cost or performance as compared to the recommended product.

Note: In situations where prolonged excessive membrane surface temperatures may be experienced, such as dark-colored membranes in Southern climates, roof surfaces that experience reflected sunlight or photovoltaic installations, DEXcell® Cement Roof Board is the preferred DEXcell® product.

Fire barrier meets FM Class 1 and UL Class A Fire ratings for roofing systems up to unlimited slope per UL 790.

Best Choice for All Applications

	Cover Board Attachment				Membrane Attachment						
Product	Loose Lay	Hot Asphalt	Adhesive	Mech. Fastener	Solvent Based	Water Based	Torch	Hot Asphalt	Cold Adhesive	Low-Rise Foam	Mech. Fastener
DEXcell® Glass Mat	✓[1]	—	—	✓[2]	—	—	—	—	—	—	✓
DEXcell FA® Glass Mat	✓[1]	✓	✓	✓	✓	✓	✓	Fleece[3]	✓	✓	✓
DEXcell FA VSH® Glass Mat	✓[1]	✓	✓	✓	✓	✓	✓	Fleece[3]	✓	✓	✓
DEXcell® Cement Board	✓[1]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Yes — No

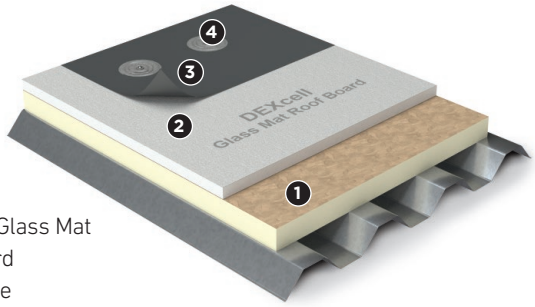
1. Loose lay when layers above are attached to the deck. Common in thermal barrier applications.
2. With MA roof covers. 4 to 5 fasteners per 4'x8' are commonly used.
3. Application of fleece back membrane in hot asphalt is permitted.

Access EPDs and HPDs for all four DEXcell Roof Board products.

Typical Roof System Applications

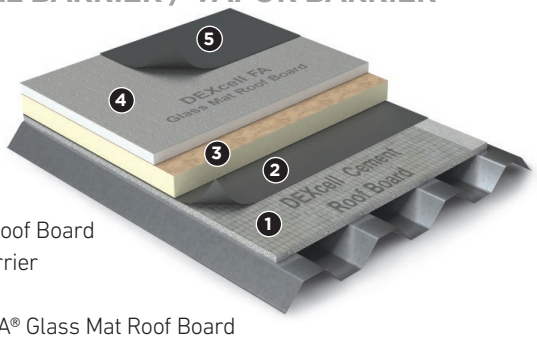
The following are examples of typical roof system applications using DEXcell® Roof Boards and should be considered to be for illustration purposes only. Consult with the roof system manufacturer or roof design professional for recommendations on use and installation. The manufacturers of DEXcell Roof Board products do NOT provide roof design services and make no warranties or representation with respect to any particular roof system or any components or materials, other than DEXcell Roof Boards. It is the responsibility of the roof system manufacturer or roof design professional to determine the suitability of DEXcell Roof Boards, or the use of any other materials with DEXcell Roof Boards, for any particular application.

COVERBOARD



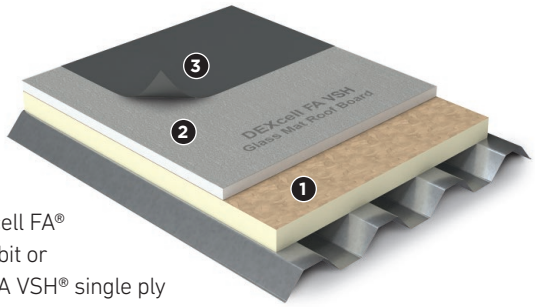
1. Insulation
2. DEXcell® Glass Mat Roof Board
3. Membrane
4. Fastener

THERMAL BARRIER / VAPOR BARRIER



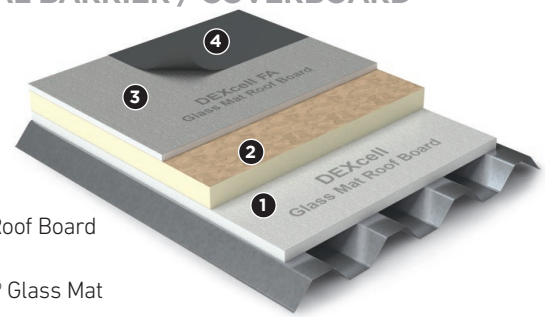
1. DEXcell® Cement Roof Board
2. Vapor Barrier
3. Insulation
4. DEXcell FA® Glass Mat Roof Board
5. Membrane

VERY SEVERE HAIL



1. Insulation
2. 1/2" DEXcell FA® with modbit or DEXcell FA VSH® single ply
3. Membrane

THERMAL BARRIER / COVERBOARD



1. DEXcell® Glass Mat Roof Board
2. Insulation
3. DEXcell FA® Glass Mat Roof Board
4. Membrane

Hear Less of What's Above

Architects, roof consultants and contractors have come under increasing pressure to reduce sound transmission through the roof assembly in commercial, residential, institutional and industrial roof assemblies. Sound Transmission Class, or STC, measures how well a building material or assembly blocks airborne sound. STC is a single number rating system. An Outdoor Indoor Transmission Class (OITC) rating is a single number rating for comparing the performance of exterior roofs exposed to typical transportation noise sources.

DEXcell Sound Testing

	Above Deck				Below Deck					
Interior Ceiling	Under-Layment	Insulation	Coverboard	Membrane	Insulation	Hat Channel	R/C Channel	Suspended Ceiling	Ceiling Board	Tested STC
None	5/8" DEX	3" ISO	1/2" DEX	EPDM	–	–	–	–	1/2" C	36
1/2" C, Hat Channel	5/8" DEX	3" ISO	1/2" DEX	EPDM	R13	Yes	–	–	1/2" C	56
1/2" C, Hat Channel	5/8" DEX	3" ISO	1/2" DEX	Mod Bit	R13	Yes	–	–	1/2" C	57
1/2" C, Res. Channel	5/8" DEX	3" ISO	1/2" DEX	EPDM	R13	Yes	Yes	–	1/2" C	57
1/2" C, Res. Channel	5/8" DEX	3" ISO	1/2" DEX	Mod Bit	R13	Yes	Yes	–	1/2" C	58
1/2" C, Res. Channel	5/8" DEX	3" ISO	2 x 1/4" DEX	EPDM	R13	Yes	Yes	–	1/2" C	57
Suspended Ceiling	5/8" DEX	3" ISO	1/2" DEX	EPDM	R13	–	–	C & Hat C.	1/2" C	57
Suspended Ceiling	5/8" DEX	3" ISO	1/2" DEX	EPDM	R13	–	–	C & Hat C.	1/2" C (x2)	59
Suspended Ceiling	5/8" DEX	3" ISO	1/2" DEX	EPDM	5.5" Mineral Wool	–	–	C & Hat C.	5/8" X (x2)	61

Technical Information

Visit **dexcellroofboard.com** or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

Technical Information Información Técnica
1-800-NATIONAL®
1-800-628-4662

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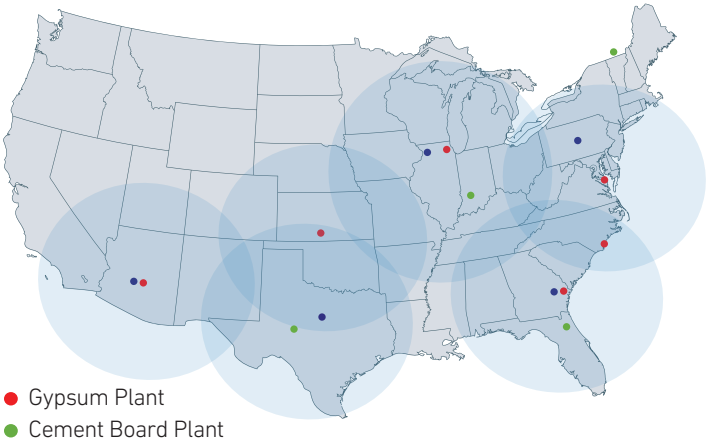
Delivering Customer Service You Deserve

National Gypsum Company is a solutions-focused organization. Our goal is to help you make the best product choices by providing unmatched technical expertise. You can also expect world-class customer service and a solid commitment to on-time, and in most cases, one-day delivery. Put simply, we want to be your trusted partner.

To the right, you can find the plant locations where DEXcell Roof Board products are produced along with warehouse locations and one-day delivery zones.

DEXcell One-Day Delivery Zones



- Gypsum Plant
- Cement Board Plant
- Warehouse

Sales Contact Information

844-339-2355 • DEXcell@nationalgypsum.com

Limited Warranty

DEXcell Roof Boards carry a limited warranty.
To view the full warranty, visit: **dexcellroofboard.com**.

Industry Associations

NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER

SPRI
Single Ply Roofing Industry

Visit our website for the most current information.

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