

TAPERED ROOFING PRODUCTS CATALOG

TAPERED POLYISO ROOF INSULATION & GEMINI™ PRODUCTS



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Atlas offers a full line of ACFoam® Tapered Polyiso Roof Insulation panels with superior R-values, lower roof profiles, and design flexibility. Tapered Polyiso roof insulation from Atlas Roofing Corporation is designed to create positive drainage with the highest R-values per inch of any rigid board insulation in the industry. ACFoam® Tapered Polyiso Roof Insulation helps prevent material waste, reduces the roof profile thickness, and reduces fastening cost.

Everyone agrees that the number one problem on low slope roof systems is ponding water. That's because it's the primary cause of premature roof failures. Atlas has four powerful weapons to help prevent ice build-up, moisture invasion, and other problems caused by standing water on roofs. The GEMINI™ Series of Tapered Pre-Cut Roof Insulation is ready made for fast, easy installation and cost savings.

Read on to find out more about the Atlas line of Tapered Polyiso products.

TECHNICAL ASSURANCE

Atlas provides a full-service Technical Department with a LEED Accredited Professional (AP), Registered Roof Consultant (RRC), Construction Documents Technologist (CDT), and Certified Construction Product Representative (CCPR) on staff.

ATLAS TAPERED ONLINE

Atlas now offers on-line Taper Quote Requests, giving you more flexibility and convenience. Go to page 10 for more information, or visit AtlasRoofing.com/tapered

Introduction

POLYISO INSULATION PRODUCTS

From our start as a single asphalt shingle manufacturing company in 1982, to becoming a recognized leader and driving force in the green movement today, Atlas has done more than simply adapt to industry trends; we've led the way in setting standards.

Convinced that building "green" was not just a cliché or bandwagon to jump on, Atlas became a pioneer in the manufacturing of "Green Polyiso" insulation. Polyiso—a closed-cell, rigid foam board insulation—is used primarily on the roofs of commercial buildings where high thermal performance is essential. The term "Green Polyiso" refers to Environmentally-Friendly, with Zero Ozone Depletion Potential (ODP), and Zero Global Warming Potential (GWP) Polyisocyanurate insulation.

Through the development of our patented hydrocarbon blowing agent called ACUltra Technology, Atlas became the first Polyiso manufacturer to cease the use of Chlorofluorocarbons (CFCs) in 1993 and Hydrofluorocarbons (HCFCs) in 1998, years ahead of the Montreal Protocol deadline for compliance. Due to the material's contribution to energy efficiency throughout a building's life, LEED credits and lifecycle assessment, Owners, Architects, Specifiers, and Contractors all recognize the vast benefits of choosing Polyiso as their preferred insulation board.

WHY CHOOSE POLYISO?

When it comes to selecting the best overall insulation product for roof systems, polyiso is the product of choice. No other foam plastic insulation has the perfect combination of features so important for long-term performance. These performance features provide excellent initial installation costs, as well as attractive life cycle payback rates, which can be easily calculated by using Roofwise (NRCA/PIMA) Energy Software. Ask your Atlas Sales representative for a demonstration.

Polyiso insulation is the only foam plastic insulation that can be used in almost all types of roof systems without the need for a thermal barrier. Polyiso's high-temperature stability prevents melting when mopped with hot bitumen. Polyiso is unaffected by properly applied construction adhesives, and many membrane manufacturers specify its use without the need for a cover board in fully adhered single-ply systems.

Atlas recommends ACFoam® Roof Insulation products only for roofing applications installed by a qualified contractor. FM Approvals has approved the use of ACFoam® products as components in Class 1 insulated roof deck construction. ACFoam® products have also been tested and Classified by Underwriters Laboratories as a component of an insulated roof deck.

BENEFITS OF ROOF INSULATION

Because of its ability to resist heat transfer, roof insulation conserves energy and increases occupant comfort. It also provides important roof system benefits:

- Helps improve energy efficiency
- Helps reduce the Carbon Footprint of buildings
- Provides a suitable substrate for the roof membrane
- Reduces deck movement by stabilizing temperatures
- Contributes to performance of fire rated roof assemblies
- Compatible with system components, including adhesives
- Helps promote the dimensional stability of roof assembly

TYPICAL COMMERCIAL ROOF SYSTEM DESIGN CRITERIA

Several design criteria require the designer's consideration when determining the components of a roof assembly. The following checklist is not exhaustive but should assist in the design process:

- Geographical location (climate)
- Building usage (temperature and humidity)
- Type of roof deck
- Code requirements
- Slope and drainage
- Desired thermal requirements
- Insurance requirements (fire and wind)
- Environmental factors
- Roofing materials
- Manufacturer's requirements

TAPERED ACFOAM® ROOF INSULATION

TAPERED ACFoam®-II

Tapered ACFoam®-II is specified for use in hot asphalt or coal tar BUR, modified bitumen and single-ply membrane systems. Tapered ACFoam®-II is manufactured in a tapered profile to attain positive drainage while maintaining the highest thermal efficiency available in a tapered system. Tapered ACFoam®-II is also available in a 25-psi formula. Available in 4' x 4' (1220mm x 1220mm) only.

CODES AND COMPLIANCES

- Federal Specification HH-I-1972/GEN, HH-I-1972/2, Class 1 and HH-I-1972/3 have been cancelled.
- ASTM C 1289, Type II, Class 1, Grade 2 (20-psi) or Grade 3 (25-psi)
- Miami-Dade County, Florida Product Control No. 08-0111.01
- California State Insulation Quality Standards and Title 25 Foam Flammability Criteria (License #TC 1231)
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- CCMC No. 12464-L (Refers to ACFoam® II)
- CAN/CGSB-51.26-M86
- CAN/ULC-S704
- State of Florida Product Approval #FL6796
- NYC MEA No. 107-01-M (Refers to ACFoam® II)

FM Standard 4450/4470 Approval

Approved for Class 1 insulated steel, wood, concrete & gypsum roof deck construction for 1-60 & 1-90 Windstorm Classifications. Refer to FM Approval Guide for details on specific systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies -Construction No. 120 and No. 123

UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

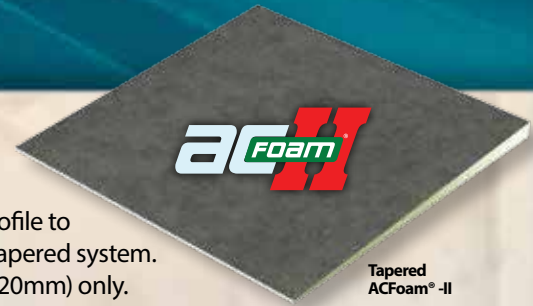
UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P225, P230, P259, P508, P510, P514, P519, P701, P710, P713, P717, P718, P719, P720, P722, P723, P724, P725, P727, P728, P729, P730, P732, P801, P814, P815, P818, P819, and P828. See UL Fire Resistance Directory.

UL of Canada

Insulated Roof Deck Assemblies - Construction No. C34
Meets CAN/ULC-S126-M86, CAN/ULC-S101-M89, CAN/ULC-S107-M87

Tapered ACFoam®-II roof insulation contains between 16% and 43% recycled materials by weight, depending on thickness. The facer is made with 100% recycled materials (55% post-consumer, 45% pre-industrial).



TAPERED ACFoam®-III

Tapered ACFoam®-III is specified for use in certain single-ply, BUR and modified bitumen membrane systems. Tapered ACFoam®-III is a closed-cell, polyiso foam core integrally laminated to heavy, durable, and dimensionally stable inorganic coated-glass facers. Tapered ACFoam®-III is manufactured in a tapered profile to attain positive drainage while maintaining the highest thermal efficiency available in a tapered system. Tapered ACFoam®-III is also available in a 25-psi formula. Available in 4' x 4' (1220mm x 1220mm) only.

CODES AND COMPLIANCES

- Federal Specification HH-I-1972/GEN, HH-I-1972/2, Class 1 and HH-I-1972/3 have been cancelled.
- ASTM C 1289, Type II, Class 1, Grade 2 (20-psi) or Grade 3 (25-psi)
- Miami-Dade County, Florida Product Control No. 08-0111.01
- California State Insulation Quality Standards and Title 25 Foam Flammability Criteria (License #TC 1231)
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- CCMC No. 12423-L
- CAN/CGSB-51.26-M86
- CAN/ULC-S704
- State of Florida Product Approval #FL6796

FM Standard 4450/4470 Approval

Approved for Class 1 insulated steel, wood, concrete & gypsum roof deck construction for 1-60 & 1-90 Windstorm Classifications. Refer to FM Approval Guide for details on specific systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies -Construction No. 120 and No. 123

UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P225, P230, P259, P508, P510, P514, P519, P701, P710, P713, P717, P718, P719, P720, P722, P723, P724, P725, P727, P728, P729, P730, P732, P801, P814, P815, P818, P819, and P828. See UL Fire Resistance Directory.

UL of Canada

Insulated Roof Deck Assemblies - Construction No. C34
Meets CAN/ULC-S126-M86, CAN/ULC-S101-M89, CAN/ULC-S107-M87





TAPERED ACFoam® ROOF INSULATION

TAPERED ACFoam®-IV

Tapered ACFoam®-IV is specified for use in certain single-ply, BUR and modified bitumen membrane systems. Tapered ACFoam®-IV is a closed-cell, polyiso foam core integrally laminated to heavy, durable, and dimensionally stable inorganic coated-glass facers. Tapered ACFoam®-IV is manufactured in a tapered profile to attain positive drainage while maintaining the highest thermal efficiency available in a tapered system. Tapered ACFoam®-IV is also available in a 25-psi formula. Available in 4' x 4' (1220mm x 1220mm) only.



Tapered ACFoam®-IV

CODES AND COMPLIANCES

- Federal Specification HH-I-1972/GEN, HH-I-1972/2, Class 1 and HH-I-1972/3 have been cancelled.
- ASTM C 1289, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)
- Miami-Dade County, Florida Product Control No. 08-0111.01
- California State Insulation Quality Standards and Title 25 Foam Flammability Criteria (License #TC 1231)
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- State of Florida Product Approval #FL6796
- CAN/CGSB-51.26-M86
- CAN/ULC-S704

FM Standard 4450/4470 Approval

ACFoam®-IV is approved for Class 1 insulated steel, wood, concrete and gypsum roof deck construction for 1-60 and 1-90. ACFoam®-IV (min. 2.0 in. thickness) is also approved for Class 1 steel roof deck construction for 1-90, 1-120, 1-150, 1-240, and 1-345 Windstorm Classifications. Refer to FM Approvals RoofNav for details on Specific Systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies - Construction No. 120, No. 123, and No. 292.

UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P225, P230, P259, P508, P510, P514, P519, P701, P710, P713, P717, P718, P719, P720, P722, P723, P724, P725, P727, P728, P729, P730, P732, P801, P814, P815, P818, P819, and P828. See UL Fire Resistance Directory.

UL of Canada

Insulated Roof Deck Assemblies - Construction No. C34
Meets CAN/ULC-S126-M86, CAN/ULC-S101-M89, CAN/ULC-S107-M87

TAPERED ACFoam® COMPOSITE/FB

Consists of Atlas closed-cell polyiso bonded to 1/2" high density wood fiberboard on the top and a fiber-reinforced organic felt facer on the bottom. It is manufactured in a tapered profile to attain positive drainage. The wood fiberboard top eliminates the need for cover boards or vented base sheets normally recommended over foam insulations. Tapered ACFoam® Composite/FB may be used with BUR, modified bitumen and certain single-ply systems. Available in 4' x 4' (1220mm x 1220mm) only.



Tapered ACFoam® Composite/FB

CODES AND COMPLIANCES

- Federal Specification HH-I-1972/GEN and HH-I-1972/3 have been cancelled
- ASTM C 1289, Type IV
- Miami-Dade County, Florida Product Control No. 08-0111.01
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- State of Florida Product Approval #FL6796

FM Standard 4450/4470 Approval

ACFoam® Composite/FB is approved for Class 1 insulated steel, wood, concrete and gypsum roof deck construction for 1-60 and 1-90 Windstorm Classifications (may be mopped or mechanically fastened to cast-in-place structural concrete roof decks). Refer to FM Approvals RoofNav for details on specific systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies - Construction No. 120 and No. 123

UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P230, P259, P508, P510, P514, P710, P711, P715, P718, P814, P815, P818, and P828.

UL Certified For Canada



TAPERED ACFOAM® ROOF INSULATION

TAPERED ACFoam® COMPOSITE/PB

Consists of Atlas closed-cell polyiso bonded to 1/2" perlite on the top and a fiber-reinforced organic felt facer on the bottom. It is manufactured in a tapered profile to attain positive drainage. The perlite top eliminates the need for cover boards or vented base sheets normally recommended over foam insulations. Tapered ACFoam® Composite/PB may be used with BUR, modified bitumen and certain single-ply systems. Available in 4' x 4' (1220mm x 1220mm) only.

CODES AND COMPLIANCES

- Federal Specification HH-I-1972/GEN and HH-I-1972/3 have been cancelled
- ASTM C 1289, Type III
- Miami-Dade County, Florida Product Control No. 08-0111.01
- State of California, License #TC 1231. ACFoam® Composite/PB
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- State of Florida Product Approval #FL6796

FM Standard 4450/4470 Approval

ACFoam® Composite/PB is approved for Class 1 insulated steel, wood, concrete and gypsum roof deck construction for 1-60 and 1-90 Windstorm Classifications (may be mopped or mechanically fastened to cast-in-place structural concrete roof decks). Refer to FM Approvals RoofNav for details on specific systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies - Construction No. 120 and No. 123

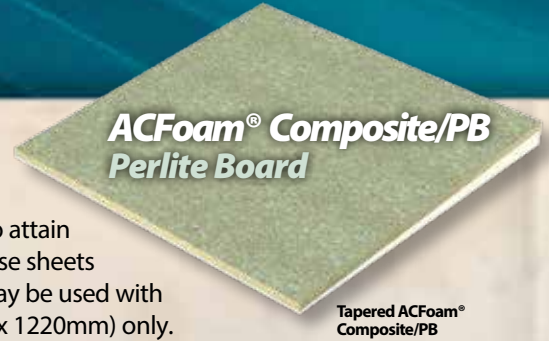
UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P230, P259, P508, P510, P514, P710, P711, P715, P718, P814, P815, P818, and P828.

UL Certified For Canada



Tapered ACFoam®
Composite/PB

TAPERED ACFoam® COMPOSITE/GB

Consists of Atlas closed-cell polyiso foam bonded to 1/4" or 1/2" primed glass-mat gypsum board on the top and a fiber-reinforced organic felt facer on the bottom. It is manufactured in a tapered profile to attain positive drainage. The glass-mat gypsum board provides a dense protection layer for the primary foam, which makes Composite/GB a good choice where foot traffic is a concern. Available in 4' x 4' (1220mm x 1220mm) only.

CODES AND COMPLIANCES

- Federal Specifications HH-I-1972/GEN and HH-I-1972/3 have been cancelled
- ASTM C 1289, Type VII
- Miami-Dade County, Florida Product Control No. 08-0111.01
- IBC, NBC, UBC, and SBC Sections on Foam Insulation (Chapter 26)
- State of Florida Product Approval #FL6796

FM Standard 4450/4470 Approval

ACFoam® Composite/GB is approved for Class 1 insulated steel and concrete roof deck construction for 1-60, 1-75, 1-90 and 1-165 Windstorm Classifications. Refer to FM Approvals RoofNav for details on specific systems.

UL Standard 1256 Classification

Insulated metal deck construction assemblies - Construction No. 120 and No. 123

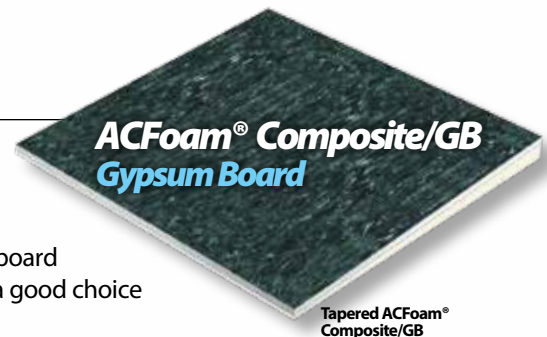
UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems.
See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P230, P259, P508, P510, P514, P710, P711, P715, P718, P814, P815, P818, and P828.

UL Certified For Canada



Tapered ACFoam®
Composite/GB



GEMINI™ PRODUCTS



GEMINI™ CRICKETS, ONE-PIECE DRAIN SETS, TAPERED EDGE STRIPS AND ONE-PIECE MITERS

Everyone agrees that the number one problem on low slope roof systems is ponding water. That's because it's the primary cause of premature roof failures. Atlas has four powerful weapons to help prevent ice build-up, moisture invasion, and other problems caused by standing water on roofs.

GEMINI™ PRE-CUT CRICKETS

PRE-CUT CRICKETS FROM ATLAS SAVE TIME AND MONEY.

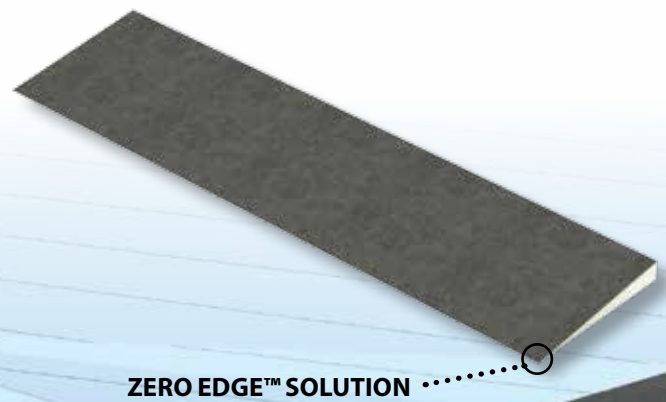
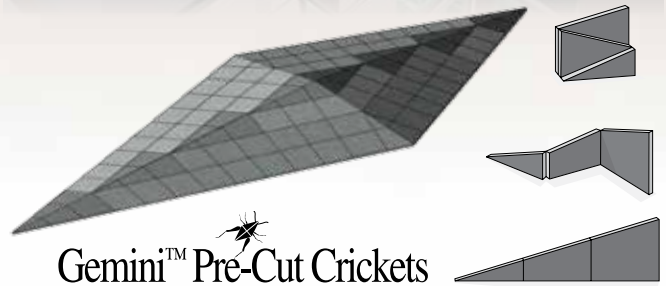
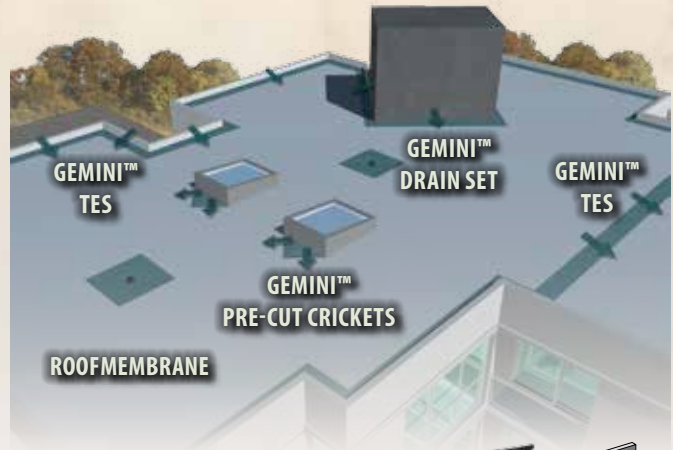
GEMINI™ pre-cut crickets from Atlas are the industry's first standardized off-the-shelf solution to ponding water. Fabricating crickets by hand at the job site is extremely labor intensive and results in greater waste going to landfills.

GEMINI™ pre-cut crickets are pre-packaged and available in 1/4" per foot or 1/2" per foot slopes. Designed to mate perfectly with Atlas 4'x4' standard tapered panels, the hinged triangular cricket panels are clearly marked for fast, field-friendly installation.

NEW! GEMINI™ TAPERED EDGE STRIP

ATLAS IS PLEASED TO ADD ANOTHER GREAT PRODUCT TO OUR GEMINI™ SERIES OF PRE-CUT TAPERED PRODUCTS, THE GEMINI™ SERIES TAPERED EDGE STRIP (TES).

GEMINI™ TES are manufactured in our state of the art facilities and provide a polyiso solution to your positive drainage needs. GEMINI™ TES are made with a closed-cell polyiso foam core integrally laminated to glass fiber reinforced, organic felt facers. GEMINI™ TES are also the only Tapered Polyiso product with the **Zero Edge™** solution.



GEMINI™ Tapered Edge Strip



GEMINI™ PRODUCTS

GEMINI™ ONE-PIECE MITERS

ATLAS INTRODUCES A REVOLUTIONARY PRODUCT, THE GEMINI™ ONE-PIECE MITER! THIS IS THE ONLY ONE-PIECE POLYISO MITER AVAILABLE.

Manufactured in a variety of slopes and thicknesses, this product can be used with virtually any tapered insulation system.

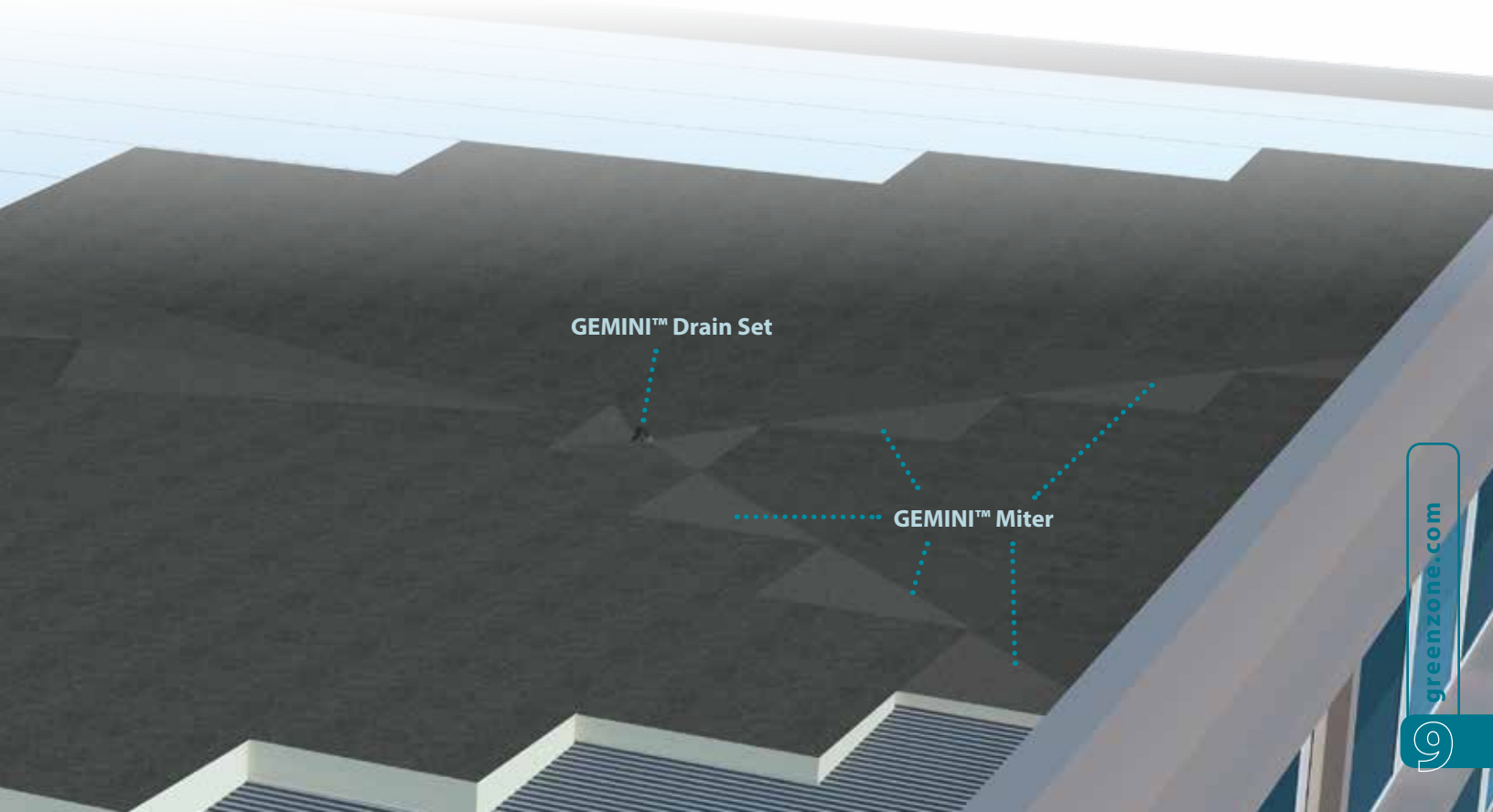
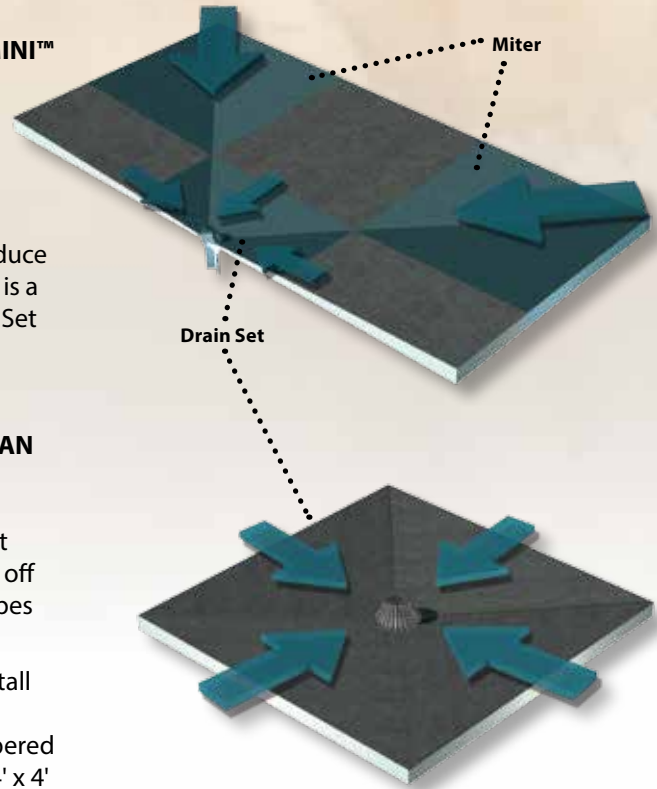
Field cut miters are responsible for a large percentage of job-site waste on roofing projects. Unlike hand-cut miters which will produce 50% waste for each 4' x 4' hip or valley, GEMINI™ One-Piece Miter is a stand alone 4' x 4' hip or valley with no field fabrication or waste. Set them in place and you are done!

GEMINI™ ONE-PIECE DRAIN SETS

PRE-MANUFACTURED ONE-PIECE GEMINI™ DRAIN SETS ARE AN ESSENTIAL FEATURE OF A WELL-DESIGNED ROOF SYSTEM.

Even with the use of tapered insulation and crickets, many roof designs fail to eliminate ponding around the drain area. Hand-cut drain sumps are even less efficient because contractors often cut off facers, resulting in membrane adhesion problems, or uneven slopes to the drain, which could cause membrane stress and ponding.

Atlas has developed the perfect solution. GEMINI™ Drain Sets install quickly, save labor costs, and eliminate rooftop waste. And Atlas GEMINI™ Drain Sets are designed to mate perfectly with Atlas tapered insulation panels and GEMINI™ Crickets. GEMINI™ drain sets are 4' x 4' and are available with a 1.5" maximum thickness.



TAPERED ROOFING PRODUCTS ONLINE



ATLAS TAPERED DESIGN SERVICES PORTAL

Atlas Online now has a new feature. The ALL NEW Tapered Services Portal!

Visit www.AtlasRoofing.com/tapered and check out the tapered services portal offering product details, contact information, service areas, installation instructions/videos, and the all new Tapered Quote request form!

The Atlas Tapered Services Portal is our newest addition to the Tapered Services Group, serving as a 24/7 resource for product and technical assistance. Atlas takes pride in providing tapered design assistance that leads to greater energy efficiency, positive drainage, labor savings, and lasting value.

The Atlas Tapered Design Services portal will give you valuable information about the products we offer, installation details, and **On-line Quote Request!**

TAPERED DESIGN SERVICES - QUOTE REQUEST

Atlas strives to make your design challenges a breeze. Atlas's Tapered Services Group has added this exciting new tool, giving you the ability to submit a Tapered Quote Request directly through our web site. Simply fill out the form, attach your Roof Plan, and Submit. A Tapered Services Professional will contact you within two business days!



TAPERED INSULATION INSTALLATION

Atlas is pleased to offer a full-service Tapered Services Group to help answer your installation questions. Atlas provides dedicated Tapered Services personnel covering North America.

On the job site and have an urgent question? Please call us at **(800) 933-1476** between the hours of 8:00 a.m. and 5:00 p.m. EST.

Please ask your Tapered Services Representative or Atlas Sales Representative for a free DVD copy of the GEMINI™ Installation Video seen on www.atlasroofing.com/tapered.

GENERAL INSTRUCTIONS AND WARRANTY INFORMATION

INSTALLATION

Before installation begins, the roof deck should be firm, well attached, even, clean and dry. Proper attachment of the insulation is necessary to prevent roof failures. Atlas is not responsible for any damage caused by improper attachment. Atlas Roof Insulation products can be attached to decks that are approved by FM Approvals and local codes. Atlas is not responsible for determining the suitability of the deck. ATLAS ROOF INSULATION PRODUCTS SHALL BE KEPT DRY BEFORE, DURING AND AFTER INSTALLATION. Install only as much Atlas Roof Insulation as can be covered the same day with completed roofing. Although Atlas Roof Insulation has been designed to withstand normal foot traffic, protection from damage by construction traffic and/or abuse is extremely important. Roof surface protection such as plywood shall be used in areas where storage and staging are planned and heavy or repeated traffic is anticipated during or after installation. Refer to Atlas Technical Bulletin #00-01.

MULTI-LAYER INSTALLATION

A two-layer application of ACFoam® is strongly recommended. The joints in each layer should be offset in order to avoid a vertically continuous joint through the total insulation thickness. Two layers (or more) with joints staggered can provide improved insulation performance by eliminating thermal bridges. This method also reduces condensation potential and thermal stress on the roof membrane. Refer to Atlas Technical Bulletin #00-01.

MECHANICAL ATTACHMENT

Mechanical fastening is the recommended method of attachment over nailable decks. Fastener frequency and spacing for steel, wood, cast-in-place structural concrete and poured gypsum decks are covered in Atlas SWEET's according to the membrane system. Refer to FM Loss Prevention Data Sheet 1-29 for special considerations regarding perimeter and corners of the roof. Go to www.atlasroofing.com for fastening patterns for field, perimeter, and corner areas. For further recommendations regarding attachment of insulation to lightweight insulating concrete decks or poured gypsum concrete decks, follow the instructions outlined in the NRCA Roofing and Waterproofing Manual. Atlas Roof Insulation products shall not be adhered directly to these decks by any bitumen or adhesive attachment method.

ADHESIVE ATTACHMENT

For installing ACFoam® to a structural concrete deck, adhesive / bitumen attachment is the recommended method. When using hot bitumen on concrete decks, priming is necessary. Precautions must be taken to ensure that concrete decks have fully hydrated and do not continue to release moisture. Insulation must remain dry before, during, and after installation. Precautions must also be taken to prevent bitumen drippage. When using hot-applied bitumen for attachment of insulation to structural concrete decks and successive insulation layers, the temperature of the bitumen should be approximately 50°F below the interply hand mopping EVT (maximum 390°F). The deck must be dry and care must be taken to apply the bitumen in sufficient quantity to totally cover the available deck surface. To ensure embedment, the board must also be "stepped in" at several points while the bitumen is still hot enough to allow positive attachment. The recommended ACFoam® insulation size for hot bitumen attachment is 4' x 4'. When using polyurethane adhesives or cold applied asphalt adhesive, follow the adhesive manufacturer's installation recommendation. In any case, roll or weigh down the insulation to ensure the contact between the adhesive and the insulation board.

VAPOR/AIR RETARDERS

Moisture vapor tends to migrate from warmer to cooler areas. In building construction, vapor/air retarders are used to inhibit or block the passage of warm, moisture laden air into walls or roofing assemblies. To determine whether a vapor/air retarder is necessary, calculations based on interior relative humidity, interior temperature, and the outside design temperature must be performed. Consult the *NRCA Roofing Manual (Membrane Roof Systems)* for more information regarding vapor/air retarders and dew point calculations. Special consideration should be given to construction-generated moisture as well. For example, construction-generated moisture will be released when concrete floor slabs are placed after the roof has been installed, which can drive large quantities of moisture into the roof system. Therefore, Atlas is not responsible for damage to the insulation when exposed to construction-generated moisture or from moisture released from building materials. Refer to the *NRCA Roofing Manual (Membrane Roof Systems)* for recommendations for the use of a vapor retarder when construction-generated moisture is present. Refer to Atlas Technical Bulletin #00-01. Consult vapor/air retarder manufacturer for recommended applications and details.

STORAGE

Factory-applied packaging is intended only for protection during transit. When stored outdoors or on the job site, the insulation should be stacked on pallets at least three inches above ground level and completely covered with a weatherproof covering such as a tarpaulin. The temporary factory-applied packaging should be slit or removed to prevent accumulation of condensation. Roof insulation which has become wet or otherwise damaged should be removed and replaced with new insulation of the same type.

WARNING - DO NOT LEAVE EXPOSED

This product is a polyiso organic plastic foam and will burn if exposed to an ignition source of sufficient heat and intensity, or open flame, such as a welder's torch. Like other organic materials, this product will release smoke if ignited. Do not apply flame directly to Atlas Roof Insulations. This product should be used only in strict accordance with Atlas recommended uses and application instructions.

LIMITATION OF LIABILITY

Other than the aforementioned representations and descriptions, Atlas Roofing Corporation (hereafter, "Seller") makes no other representations or warranties as to the insulation sold herein. The Seller disclaims all other warranties, express or implied, including the warranty of merchantability and the warranty of fitness for a particular purpose. Seller does, however, have a limited warranty as to the LTTR-value of the insulation, the terms of which are available upon request from the Seller. The Seller shall not be liable for any incidental or consequential damages including the cost of installation, removal, repair or replacement of this product. The Buyer's remedies shall be limited exclusively to, at Seller's option, the repayment of the purchase price or resupply of product manufactured by Atlas in a quantity equal to that of the nonconforming product. Atlas distributors, agents, salespersons or other independent representatives have no authority to waive or alter the above limitation of liability and remedies.

20-YEAR LIMITED WARRANTY

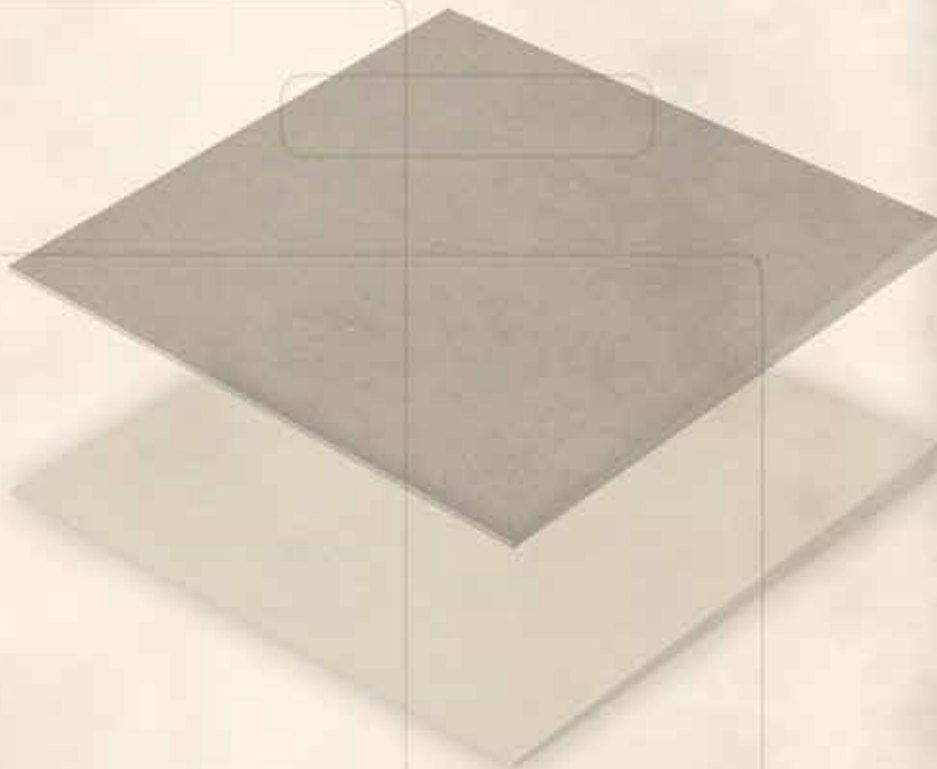
In response to valid concerns of building designers regarding thermal efficiency of roof assemblies and the long-term insulating value of roof insulation, Atlas offers a 20-year, limited thermal warranty. The "ACFoam® Limited Warranty" places Atlas ACFoam® products above all others and supports the building owner, designer and contractor by backing up thermal performance. This warranty is available to the building owner at the time the building is completed and is transferable to any subsequent owner for the duration of the 20-year period.

CONTACT INFORMATION

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