

GRIDIRON 15

Gridiron 15 is a cutting edge synthetic roofing underlayment that redefines expectations in the 15lb synthetic category.

Unmatched Durability

At the heart of Gridiron 15 lies its exceptional durability. This robustness is achieved by using up to 10% more high end polypropylene than the leading products in this category, along with our advanced UV stabilizers and cutting edge lamination technology. The result is a product that stands up to the elements, protecting your roof from water, wind, and wear with unparalleled reliability.

High Performance Walking Surface

The secret to Gridiron 15's performance is its premium blend of woven and spunbonded polypropylene. This combination not only enhances the product's strength but also ensures it remains lightweight and easy to handle. Our advanced automated looms produce a woven base layer that is tighter and more uniform than the competition. This keeps the sheet flat under foot and wrinkle free, and together with our high grip spunbonded top layer, Gridiron 15 stays flatter and more secure under your boot and your shingle.

A New Benchmark

Gridiron 15 is not just another synthetic underlayment; it's the smart choice for anyone looking to get the most out of their investment. When the climate or the build doesn't call for a breathable underlayment, Gridiron 15 is the best option. Offering more product per roll, exceptional durability, and high end construction, Gridiron 15 sets a new benchmark in the 15lb synthetic roofing category.

Physical Test Parameters

Meets or exceeds	ASTM D8257
Meets or exceeds	ASTM D226, CSA A123.3

Tensile Strength

Machine Direction	55 lbs/in
Cross Direction	46 lbs/in

Tear Strength

Machine Direction	95 lbs
Cross Direction	93 lbs

Resistance

Water	Pass (ASTM D4869)
UV	6 months (ASTM G154)

Permeability

MVTR	0.02 (ASTM E-96-A)
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Packaging

Roll Width	48" (1.219 m)
Roll Contents	1000 sq. ft. (92.90 m ²)
Rolls per Pallet	72
Weight per Roll	21 lbs approx.
Pallet Size	48" x 40"



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Installation Guide

1. Deck preparation

Ensure that the roof deck is clean and free of debris, old fasteners, or sharp protrusions that might puncture the underlayment.

2. Sheet placement

Always run the sheet horizontally. Place the sheet with the printed side up, with the bottom edge parallel with but slightly overhanging the eave of the roof. Then follow the 3" lap-lines for placement of each succeeding sheet. Vertical laps should be a minimum of 6". For low slopes, less than 3 in 12, lap the sheet 25" to the lower center lap-line for a double ply installation, as required by most shingle manufacturers.

3. Fastening the sheet

Apply fasteners every 6" along the edges of the sheet as marked, and in a grid pattern throughout the body of the sheet as marked. Acceptable Fasteners: 1" plastic cap roofing nails with standard 3/8" head corrosion resistant roofing nails. We do not recommend using staples. For extreme wind conditions add extra cap nails along bottom edges and middle of each sheet. If covering with roofing immediately, the recommended nail spacing may be relaxed.

4. Sealants

Apply sealants where required for laps or for damage repair. Where seams or joints are specified to require sealant or adhesive, use a high quality, low solvent, asphalt roofing cement meeting ASTM D-4586 Type 1, Federal Spec SS-153 Type 1. Follow sealant manufacturer's application instructions. Also apply sealant over any holes created during installation or by mis-driven fasteners.

5. UV and weather exposure time

Keep the roof-top exposure time as short as practical. Gridiron is designed for a maximum of 3 months of exposure to UV. It is not intended to be used as a temporary roof for that period. Its purpose is to provide a secondary protective layer beneath the finish roofing. If used as a temporary roof during construction there may be potential for some leakage to occur during rain periods at fasteners or due to wind driven rain being forced under a lap. NOTE: If any wet spots or a wet deck occurs beneath the underlayment during application, lift sheet and dry surface before continuing the application.

6. Attic ventilation

Add vents where required to help avoid attic mold. Older homes typically have higher attic humidity. When re-roofing an older home we recommend using our Breathex breathable underlayment instead, or modifying the roof with added ventilation.

On-site Quality Control

Gridiron 15 needs to be kept on end and stored off the ground in a dry environment; this is to ensure that the product is in the right condition to be installed. Gridiron 15 should not be stacked more than four pallets high.

Recommended Tools & Equipment

For Gridiron 15 installations, HAL recommends the use of plastic cap nails as fasteners.

Caution

Always use good footwear to work on a roof. Gridiron has an excellent walking surface for foot grip on a roof slope. However always use traction soled footwear and observe safe roofing codes and practices required by OSHA Regulation Standard 29CFR, fall protection systems criteria and practices 1926.502. Follow all national fall protection standards.

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