NEW!

Fiberglas™ Reinforced Felt Underlayment

The foundation for a better roofing system.

New Fiberglas™ Reinforced Felt Underlayment provides an extra layer of protection beneath the shingles to help prevent wind-driven rain from reaching the roof deck. It's an essential part of a complete Owens Corning Roofing System.

- **Lays flat—**reinforced with Fiberglas™ to support flatter, more uniform shingle applications
- **Highly resistant to wrinkling—**for a smoother surface, even when exposed to moisture
- **Increased tear strength—**stronger than standard felt, resists tearing away from fasteners when walked on or in strong wind
- **Superior roof deck protection—**helps prevent water infiltration under shingles from wind-driven rain and other sources

Product Specifications

Roll Size	3' x 141.5'
Coverage (with 2" lap)	400 sq. ft.
Roll Weight	42 lbs.

Construction

Surface	Asphalt organic felt
Interior Reinforcement	Fiberglas™
Color	Black
Laying Lines	2" and 17" in from edge

Physical Properties*

Tensile Strength	ASTM D 146	—
Longitudinal (md)	—	50 lbs./in.
Transverse (cd)	—	22 lbs./in.
Tear Resistance	ASTM D 1922	—
Longitudinal (md)	—	448 grams
Transverse (cmd)	—	518 grams
Pliability	ASTM D 228	—
Longitudinal (md)	—	Passed
Transverse (cd)	—	Passed
Resistance to Liquid Water Transmission	ASTM D 4869	Passed
Dimensional Stability	ASTM F 1087	1.65 max.

Applicable Standards and Codes

Fiberglas Reinforced Felt Underlayment is manufactured to comply with ASTM D 6757 and manufactured to meet all the performance requirements of ASTM D 226 and ASTM D 4869, including resistance to liquid water transmission.

The use of *Fiberglas* Reinforced Felt Underlayment along with proper decking materials and shingles will help in meeting Class A and Class C Fire Ratings. A shingle by itself is not fire rated, although it is part of the roofing assembly.

*All values are approximate.

Your peak performance system.

It takes more than just shingles to create a high-performance roof. It requires a system of products working together. The Owens Corning Roofing System is a lineup of key products that can help provide maximum durability for the roof. And the most protection for the home.

- a **VentSure® Ventilation Products**
- b **Hip & Ridge Shingles**
- c **Owens Corning Shingles**
- d **Owens Corning Felt Underlayment Products**
- e **WeatherLock® Self-Sealing Ice & Water Barrier Products**
- f **Owens Corning Starter Shingle Products**
- g **Undereave Ventilation Products**

Installation Instructions

Standard Slope
Pendiente Estándar

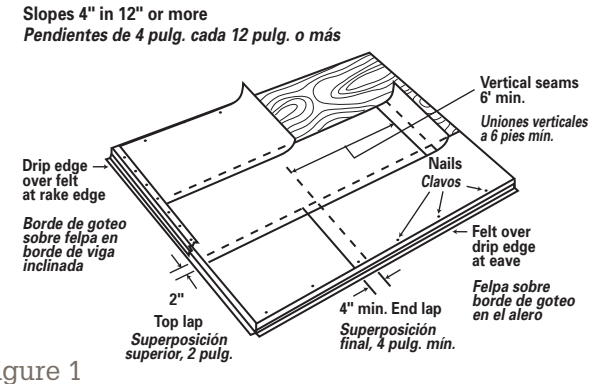

Figure 1

Low Slope
Pendiente Baja

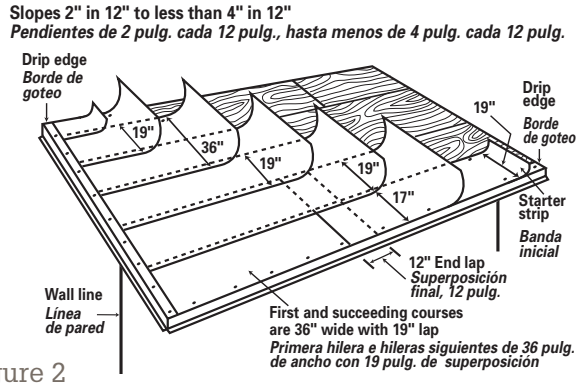

Figure 2

Owens Corning Fiberglas™ Reinforced Felt Underlayment should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections or protruding nails. Roof decks should be structurally sound and meet or exceed minimum requirements of the deck manufacturer and local codes.

Slopes 4" in 12" or more

Always lay the felt underlayment parallel to the eaves, lapping each course at least 2" over the underlying course. Felt underlayment should not run perpendicular to the eaves. Secure the felt underlayment with nails to hold it in place. (See *Figure 1.*) Nails should be driven straight and flush with the surface. If two or more pieces are required to continue a course, lap the ends at least 4." End laps in a succeeding course should be located at least 6' from end laps in the preceding course. Lap the felt underlayment a minimum of 6" from both sides over all hips, ridges and valleys. Where the roof meets a vertical surface, carry the felt underlayment at least 4" up the surface.

Slopes 2" in 12" to less than 4" in 12"

On low-slope applications, cover the deck with two layers of non-perforated asphalt saturated felt underlayment. (See *Figure 2.*) Begin by fastening a 19" wide strip of felt underlayment placed along the eaves. Place a full width sheet over the starter with a long edge placed along the eave and completely overlapping the initial starter course. All succeeding courses will be a minimum of 36" wide and should be positioned to overlap the preceding course by 19." Secure each course by only enough fasteners to hold it in place until the shingles are applied. End laps should be 12" wide and located at least 6' from end laps in the preceding course.

La membrana para tejas con fieltro reforzado Fiberglas™ de Owens Corning debe aplicarse sobre una base seca preparada, que sea lisa, esté limpia y no tenga irregularidades en la superficie o clavos que sobresalgan. La base de los techos debe contar con una estructura sólida y cumplir, o superar, los requisitos mínimos exigidos por el fabricante del techo y los códigos locales.

Para las pendientes de 4 pulgadas cada 12 pulgadas o más

Siempre coloque la membrana de fieltro en forma paralela a los aleros, superponiendo cada hilera por lo menos 2 pulgadas por sobre la hilera anterior. La membrana de fieltro no debe disponerse en forma perpendicular a los aleros. Sujete la membrana de fieltro con clavos para mantenerla en posición. (Ver la *Figura 1.*) Los clavos deben penetrar derechos y quedar a nivel de la superficie. Si hacen falta dos o más piezas para continuar una hilera, superponga los extremos por lo menos 4 pulgadas. Los empalmes en la siguiente hilera deben colocarse a, por lo menos, 6 pies de los empalmes de los rollos en la hilera anterior. Superponga la membrana de fieltro un mínimo de 6 pulgadas por ambos lados sobre las limatesas, cumbreras y limahoyas. En el lugar donde el techo se une con una superficie vertical, lleve la membrana de fieltro por lo menos 4 pulgadas sobre esta superficie.

Para las pendientes de 2 pulgadas cada 12 pulgadas, hasta menos de 4 pulgadas cada 12 pulgadas

Cuando se coloquen tejas en pendientes moderadas, cubra la base del techo con dos capas de fieltro saturado en asfalto que no estén perforadas. (Ver la *Figura 2.*) Comience sujetando una franja de membrana de fieltro de 19 pulgadas a lo largo de los aleros. Coloque una plancha completa sobre la hilera inicial, con el borde más largo colocado a lo largo del alero. Esta plancha se debe superponer totalmente a la hilera inicial. Todas las hileras siguientes deben tener un ancho mínimo de 36 pulgadas y deben colocarse de manera tal que 19 pulgadas queden superpuestas a la hilera anterior. Sujete cada hilera usando la cantidad estrictamente necesaria de sujetadores para mantenerla en su lugar hasta que se coloquen las tejas. Las superposiciones de los extremos de los rollos deben tener un ancho de 12 pulgadas y estar ubicadas a 6 pies, como mínimo, de las superposiciones de los extremos de los rollos de la hilera anterior.

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