

FLINTGLAS® PLY SHEET TYPE IV FIBER GLASS TYPE IV ROOFING FELT

Product Information



Product Use: FLINTGLAS Ply Sheet Type IV is designed for use as an interply for both hot and cold applied, inorganic built-up roofing systems. It is suitable for use in the construction of various types of membranes for both new construction and reroofing, over a variety of substrates. It is specially constructed to provide uniform strength and promote improved asphalt uniformity and adhesion between plies.

Limitations: FLINTGLAS Ply Sheet Type IV is applied in hot asphalt, depending on system design and selection. Rolls should be stored upright, off ground, completely protected from the weather. Roof decks shall be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Roof decks shall provide positive drainage. Additional specifications and precautions are contained in the CertainTeed Commercial Roof Systems Manual.

Product Composition and Features: FLINTGLAS Ply Sheet Type IV is manufactured on a durable, high quality fiber glass mat which receives a coating of asphalt and is lightly surfaced with a release liquid agent. The fiber glass base mat provides excellent strength and moisture resistance with uniform porosity to allow complete bitumen embedment without excessive bleed through. FLINTGLAS Ply Sheet Type IV is pliable and will conform to most surfaces for ease of application.

Applicable Standards: FLINTGLAS PLY SHEET TYPE IV is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies ICS-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 477 and FL 479) and CAN/CSA A123.17. Consult www.certainteed.com/lowslopetechinfo for details. Meets ASTM D2178, Type IV.

Technical Data

The following information represents typical average properties of FLINTGLAS Ply Sheet Type IV:

Support Mat:	Wet process fiber glass mat.
Surfacing:	Release agent.
Approximate Product Weight:	38 lbs. per roll.
Dimensions:	39 ³ / ₈ " x 164'7" (540 square feet).
Coverage:	Five Squares.
Tensile:	MD/XD 50/46.

Product Application

Roof systems constructed with FLINTGLAS Ply Sheet Type IV shall be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Manual. The following information is intended for general information purposes only and is not all-inclusive.

Preparation: Substrates to receive a roof system shall be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Flashing details shall be in place, ready to receive roofing with roof accessories available prior to application of materials. Substrates requiring priming shall be primed with asphalt primer such as FlintPrime™ and be allowed to completely dry. Substrates shall provide positive drainage. Roof insulation shall be tapered to drains.

Installation: FLINTGLAS Ply Sheet Type IV shall be installed shingle method with side laps determined by the number of plies to be installed. End laps shall be 4" and diagonally staggered not less than 3 feet apart. FLINTGLAS Ply Sheet Type IV shall be set in a solid mopping of bitumen. It is generally applied in multiple layers directly over a base ply of GLASBASE or ALL WEATHER/EMPIRE Base Sheet, or approved types of roof insulation. CertainTeed does not recommend use of FLINTGLAS Ply Sheet Type IV as the first ply over nailable decks or plastic foam type insulations. Refer to the CertainTeed Commercial Roof Systems Manual for additional information on product usage.

Precautions: Cold weather applications require special handling to prevent damage to the rolls and to ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates which contain moisture.

Maintenance: CertainTeed Commercial Roof Systems generally do not require any additional maintenance beyond normal yearly roof maintenance procedures. CertainTeed recommends regular roof maintenance and inspection to determine the condition of drains, flashings and other similar items, and to prolong the life expectancy of the roof system.

Warranties

CertainTeed offers a number of different types of Roof Membrane Warranties designed to meet the building owner's specific requirements. Contact your nearest CertainTeed office for additional information and requirements.

Technical Assistance and Services

CertainTeed provides technical assistance in the design, selection, specification and application techniques for all CertainTeed Commercial Roof Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed's Customer Support at 800-233-8990.

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