

FLINTGLAS® PLY 4 **NON-MODIFIED TYPE 4 FIBERGLASS BASE AND INTER PLY**

Product Information



Product Use: Flintglas® Ply 4 is designed for use as a base and/or an inter ply for hot applied, built-up roofing systems and hybrid modified bitumen 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 4 is applied in hot asphalt, depending on system design and selection. Rolls should be stored upright, off the ground and completely protected from the weather. Roof decks must be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Roof decks must provide positive drainage. Additional specifications and precautions are listed in the CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintglas Ply 4 is manufactured on an extra strength fiberglass reinforced mat that receives a coating of asphalt and is lightly surfaced with a release liquid agent. The fiberglass mat provides excellent strength and moisture resistance with uniform porosity to allow complete bitumen embedment without excessive bleed-through. Flintglas Ply 4 is pliable and will conform to most surfaces for ease of application.

Roll Dimensions:	39 ³ / ₈ " x 164' 7"
Nominal Coverage:	Five squares
Approximate Weight:	36 lbs. per roll
Top & Bottom Surfacing:	Release agent

Applicable Standards: Meets ASTM D2178, Type IV and CAN/CSA A123.17. Flintglas Ply 4 is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 477, FL 2533 and FL 16709) and Texas Department of Insurance (RC-47).

Technical Data

The following information represents typical average properties of Flintglas Ply 4.

Support Mat:	Extra strength fiberglass reinforced mat
Tensile:	MD/XD 50/46

Product Application

Roof systems constructed with Flintglas Ply 4 must be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

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

Installation: Flintglas Ply 4 must be installed shingle method, with side laps determined by the number of plies to be installed. End laps must be 4" and diagonally staggered not less than 3' apart. Flintglas Ply 4 must 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 4 as the first ply over nailable decks or plastic foam type insulations. Refer to the CertainTeed Commercial Roof Systems Specifications for additional information on product usage.

Precautions: Cold weather applications require special handling to prevent damage to the rolls and ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates that 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 Limited (product only) and No Dollar Limit (NDL, product and workmanship) warranties. Warranty type and duration is dependent on roof system configuration and contractor selection. Only CertainTeed Gold and Silver Star Contractors are eligible to apply for NDL warranties on specific roof projects. For more information, see CertainTeed Commercial Roof Systems Specifications or contact Commercial Roofing Technical Services.

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 Commercial Roofing Technical Services at 800-396-8134 x2.



CertainTeed Corporation

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