

Description:

Alproof is a white, high performance, thermoplastic roofing membrane compounded with a proprietary combination of PVC and Dupont™ Elvaloy® resins reinforced with dispersed polyester fibers.



Product Highlights:

- Alproof may be used in a low slope or dead flat application
- Alproof is certified by Underwriters Laboratories as meeting requirements of its Class A fire rating in various system configurations.
- Alproof has Factory Mutual approval for Class 1-90 with various insulations.
- SRI Rating of 90.66
- Alproof requires no ballast. With the membrane weighing less than 1/2 lb. per square foot, minimal additions to present deck loads can be achieved using Alproof.
- Alproof has been proven resistive to a wide range of chemicals, however, when roofs are exposed to harsh chemicals, a welded seam is always recommended. Consult with the Hyload Technical Department to determine which product to use for your specific application or to obtain a Chemical Resistance Chart.
- Alproof can be fully adhered to the substrate offering excellent resistance to wind uplift. Point stressing, which can occur with systems requiring mechanical fasteners to secure the membrane, is not a problem with Alproof.
- Alproof's Elvaloy® sheet is manufactured without liquid plasticizers permitting the use of stronger more resilient raw materials and a unique bonding adhesive system. The membrane's properties remain intact longer since plasticizer migration does not occur as is the case with many other Thermoplastic membranes which use liquid plasticizers.
- ***For specifics consult the Hyload Technical Department.***

Applications:

- Roof Covering

Packaging:

- White Colored Membrane
- 3' x 50' Rolls
Special sizes available upon request.
- 35 Rolls per pallet
- 60 lbs. per roll (standard size)
- Available in 60 mil, and 45 mil thickness

Substrates:

- The substrate should be smooth, level, clean, and dry.
- Dead load capabilities of the deck and supporting structure must be sufficient to support the load of the new system.
- Alproof can be installed directly over existing substrates, approved insulation cover board, or base sheets after all have been properly primed.
- Alproof can be used as the surface membrane in a built up system

Technical Data:

Hyload provides technical data as well as installation instructions, details, and specification information to authorized roofing contractors, engineers, architects, and specifiers. This information can also be provided to designers in various formats used by engineering professionals. Contractor field training, as well as in-house instruction, is used to develop certified applicators nationwide. In conjunction with The Technical Department, field inspections are performed by Hyload Representatives trained to perform pre-bid, job progress, and final inspections.

Limitations:

- Alproof cannot be used with coal tar mastic but can be applied over coal tar roofs with appropriate separation. Phased construction is not approved.
- Vertical flashings may not exceed 18" in height without installing a termination bar or other approved method of fastening.
- Alproof should only be applied when temperatures are 45°F and rising.
- Alproof should not be applied directly over insulation. The use of HyGlass, or comparable protection board is recommended. Protection board must be primed with a quick-drying water-based primer such as HyBond primer. Fastening must be completed following Hyload specifications or the insulation manufacturer's specification if more restrictive. When Factory Mutual standards are required, refer to the FM Approval Guide and latest supplement.

Performance Properties:

Elongation	ASTM D412	170%
Tensile Strength	ASTM D412	1300 lbs/in²
Tear Strength	ASTM D624	270 ppi
Density @ 70%		80 lbs/ft²
Low Temperature Flexibility	37-GP-56M	Pass
Water Absorption	37-GP-56M	Less than 0.1%



Warranty:

Hyload makes available to its customers several high performance product warranties. Contact Hyload's Corporate Office directly for details. A standard warranty is 10 years.