



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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FLEX FR-10 AND FR-50 FIRE-RETARDANT SLIP SHEET **TECHNICAL DATA SHEET**

PRODUCT DESCRIPTION

Flex FR-10 and FR-50 are roof system components manufactured of fire-retardant, coated-glass fiber mats used to enhance the overall fire performance of a roof system. Flex FR-10 is coated on one side while FR-50 is coated on both sides to improve fire performance in a single layer.

FEATURES AND BENEFITS

- Superior protection against flame spread and penetration.
- A lightweight and easy to install roof system component when compared to gypsum or composite fire resistant board stock.
- Part of a "Class A" assembly over combustible and noncombustible decks and extruded polystyrene.
- Part of a "Class A" assembly over noncombustible decks and expanded polystyrene.

RECOMMENDED USES

Flex FR-10 and FR-50 are specifically formulated for use over wood decks or polystyrene insulation. The proprietary flame-retardant coating and glass-fiber mat provide protection against flame spread and flame penetration through the roof system. The slipsheet can also act as a barrier between chemically incompatible insulation and roof membranes. In addition, the sheet may be used in multiple layers to achieve greater fire resistance.

INSTALLATION

Flex FR-10 and FR-50 fire-retardant slipsheets are lightweight, easy to handle and, therefore, quicker to install than gypsum or other thermal barrier boards. The slipsheet should be rolled out, overlapping the preceding sheet a minimum of two (2) inches. Endlaps are also a two (2) inch minimum. Consult Flex Technical Services for specific application recommendations (e.g., slipsheet roll direction perpendicular to membrane roll). Mechanical attachment of the slipsheet is not needed in most applications. The patented coating provides just enough weight to anchor the sheet until the membrane is installed. Token mechanical or adhesive attachment may be necessary under windy conditions. Install only as much slipsheet as can be covered by the end of the day.

STORAGE

Factory applied packaging is intended solely for protection during transit. When stored outdoors or on the job site, the slipsheet rolls should be stacked on pallets at least four inches above ground level and completely covered with a weatherproof covering such as a tarpaulin.

TECHNICAL DATA

Standard Sizes

Slipsheet	Material Per Roll	Coverage w/2" Lap	Roll Size	Roll Weight	Rolls Per Pallet	Pallets Per T/L
Flex FR 10	1000 sq. ft.	958 sq. ft.	48" x 250' 1219.2mm x 76.2m	80 lbs. (36.0 kg)	20	20/22**
Flex FR 50	420 sq. ft.	402 sq. ft.	48" x 105' 1219.2mm x 32.0m	79 lbs. (36.0 kg)	20	20/22**

** use 22 pallets per T/L for 45' trucks

Tensile Properties

Property	Test Method	Flex FR 10	Flex FR 50
Machine Direction	ASTM D 828	60 lb./in.	75 lb./in.
Cross Machine Direction	ASTM D 828	27 lb./in.	55 lb./in.

WARRANTY AND LIMITATION OF LIABILITY

Other than the aforementioned representations and descriptions, Flex Membrane International, Inc. (hereafter, "Seller") makes no other representations or warranties as to the insulation sold herein. The Seller disclaims all other warranties, express or implied, including the warranty of merchantability and the warranty of fitness for a particular purpose. Seller does however have a limited warranty as to the LTTR-value of the insulation, the terms of which are available upon request from the Seller. The Seller shall not be liable for any incidental or consequential damages including the cost of installation, removal, repair, or replacement of this product. The Buyer's remedies shall be limited exclusively to, at Seller's option, the repayment of the purchase price or resupply of product manufactured by Flex in a quantity equal to that of the nonconforming product. Flex distributors, agents, salespersons or other independent representatives have no authority to waive or alter the above limitation of liability and remedies.