



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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FLEX BLACK 50 / FLEX BLACK 60 **SELF ADHERED CTEM (coal tar elastomeric) BASE SHEET**

Product

Flex Black 50 /60 is a self adhering elastomeric sheet membrane, manufactured in a process that blends coal tar pitch with DuPont's Elvaloy® KEE and is reinforced with dispersed polyester fibers. The membrane is compounded, calendared to thickness, and in a separate manufacturing process the adhesive, release paper, and lay lines are added, completing the finished product. Flex Black 50 is 50 mils total membrane thickness and Flex Black 60 is 60 mils total membrane thickness. Flex Black 50/60 is designed to be installed as the base layer or inter ply layer in a multiple ply self adhered built up roof system. Selecting Flex Black 50/60 and utilizing the self adhered concept will eliminate the need for roofing kettles producing offensive odors, dangerous open flame, and continuously noisy equipment.

Installation

Substrates are to be smooth, level, clean and dry. All surfaces on which Flex Black 50/60 is to be adhered must be primed with an approved quick drying primer. An approved recover board is required over all roof insulation boards. Ensure that the applied primer has thoroughly dried. Ambient temperature a minimum of 50°F and rising is required to proceed with the installation. Wood blocking and wood cants are required for reroof and new construction applications. Wood blocking must be installed to the same height as the installed insulation. Perimeter picture frame membranes must be installed. Terminate picture frame sheets a minimum of 2" up from the top of the cant strip and extend over the field membrane a minimum of 6".

Physical Properties

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Color		Black
Elongation	ASTM D412	170%
Tensile Strength	ASTM D412	1500 lbs/in
Tear Strength	ASTM D624	300 ppi
Density @70F		80 lbs/ft
Low Temperature Flexibility	37-GP-56M	Pass
Water Absorption	37-GP-56M	Less than 0.1%
Roll Size		36" x 50'
Roll Weight		50 mil 57 lbs/roll 60 mil 67 lbs/roll

Approvals

Flex Black 50/60 Base Sheet meets the requirements of Underwriters Laboratories for a Class A fire rating in various system configurations. Flex Black 50/60 Base Sheet has Factory Mutual Class 1-90 approval in various system configurations. Other code approvals include the Southern Building Code Congress.

Limitations

Flex Black 50/60 Base Sheet cannot be used with coal tar mastic due to the amount and various types of solvents used in those products. Flex Black 50/60 Base Sheet may be installed over coal tar roofs provided an approved separator is installed. Phased construction is not recommended. Flex Black 50/60 Base Sheet is not intended as a membrane to be used as a final ply.

Warranty

Flex makes several high performance product warranties available to its customers. Contact Flex's Corporate Office directly for details.

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