



Thermoplastic Single Ply and Multi-Ply Roofing Systems

2670 Leisch's Bridge Road, Suite 400, Leesport, PA 19533 Phone: 610-916-9500 Fax: 610-916-9501

FLEX ROOF SYSTEMS **UNDERWRITERS LABORATORIES APPROVALS**

BALLASTED ROOF SYTEMS

CLASS A

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	Glass Fiber, Polystyrene ,Perlite, Polyisocyanurate	3
Flex FB/MFR Elvaloy Covers	Combustible	Glass Fiber, Polystyrene ,Perlite, Polyisocyanurate	1/2
Flex CTR 150 Black	Non-Combustible	Polyisocyanurate, Perlite, Glass Fiber, Base Sheet	3
Flex CTR 150 Black	Combustible	Polyisocyanurate, Perlite, Glass Fiber, Base Sheet	3
Flex SBS Modified Granular Cap Sheet	Non-Combustible	Polyisocyanurate, Perlite, Glass Fiber, Wood Fiber, Base Sheet	1/2
Flex SBS Modified Granular Cap Sheet	Combustible	Polyisocyanurate, Perlite, Glass Fiber, Wood Fiber, Base Sheet	1/2

Notes:

- 1) Ballast to be applied over single ply membranes cover at a minimum rate of 1000 lbs. per 100 square feet.
- 2) CTR systems to have gravel applied at a minimum rate of 500 lbs. per 100 square feet
- 3) Ballast to be applied over Modified Granular Cap membranes cover at a minimum rate of 1000 lbs. per 100 square feet.

ADHERED ROOF SYSTEMS

CLASS A

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	Vapor Retarder, Any Approved Insulation Board,	2 1/2
Flex FB/MFR Elvaloy Covers	Combustible	Polyisocyanurate, Polystyrene, 1/4" DensDeck Board	3 1/2
Flex CTR 150 Black	Non-Combustible	Polyisocyanurate, Perlite, Glass Fiber, Base Sheet	2
Flex CTR 150 Black	Combustible	1/4" DensDeck Board Polyisocyanurate, Perlite, Glass Fiber, Base Sheet	2
Flex SBS Modified Granular Cap Sheet	Non-Combustible	Polyisocyanurate, Perlite, Glass Fiber, Wood Fiber, Base Sheet	1
Flex SBS Modified Granular Cap Sheet	Combustible	Polyisocyanurate, Perlite, Glass Fiber, Wood Fiber, Barrier Board, Base Sheet	1/2
Flex TPO Cover	Non-Combustible	Any Approved Insulation Board, 1/2" gypsum board	3
Flex TPO Cover	Combustible	Any Approved Insulation Board, 1/4" DensDeck Board	Unlimited

CLASS B

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	Base Sheet, Any Approved Insulation Board	1
Flex FB/MFR Elvaloy Covers	Combustible	Flex FR 50 Slip Sheet Any Approved Insulation Board	1 1/2
Flex CTR 150 Black	Combustible	Any Approved Insulation Board, Base Sheet	1/2
Flex SBS Modified Granular Cap Sheet	Combustible	Any Approved Insulation Board, Base Sheet	1/2
Flex TPO Cover	Non-Combustible	Any Approved Insulation Board	3/4
Flex TPO Cover	Combustible	Flex FR 50 Slip Sheet	1

CLASS C

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Combustible	Any Approved Insulation Board	1 1/2
Flex CTR 150 Black	Combustible	Base Sheet	1/4

MECHANICALLY ATTACHED ROOF SYSTEMS

CLASS A

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	½" Gypsum Board	3 1/2
Flex FB/MFR Elvaloy Covers	Combustible	¼" DensDeck	3 1/2
Flex TPO Cover	Non-Combustible	¼" DensDeck	3
Flex TPO Cover	Combustible	¼" DensDeck	Unlimited

CLASS B

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	Base Sheet, Any Approved Insulation Board	1
Flex FB/MFR Elvaloy Covers	Combustible	Flex FR 50 Slip Sheet Any Approved Insulation Board	1 1/2
Flex TPO Cover	Combustible	Flex FR 50 Slip Sheet Any Approved Insulation Board	1

CLASS C

Roof Cover	Deck Type	Insulation, Ply Sheets	Maximum Incline
Flex FB/MFR Elvaloy Covers	Non-Combustible	Polystyrene Insulation Board, Glass Slip Sheet	1 1/2
Flex FB/MFR Elvaloy Covers	Combustible	Any Approved Insulation Board	1 1/2
Flex TPO Cover	Non-Combustible	Any Approved Insulation Board	Unlimited
Flex TPO Cover	Combustible	Any Approved Insulation Board	Unlimited