



# Thermoplastic Single Ply and Multi-Ply Roofing Systems

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## **FLEX ROOF SYSTEMS** **UNDERWRITERS LABORATORIES APPROVALS**

### **BALLASTED ROOF SYTEMS**

#### **CLASS A**

<b><u>Roof Cover</u></b>	<b><u>Deck Type</u></b>	<b><u>Insulation, Ply Sheets</u></b>	<b><u>Maximum Incline</u></b>
Flex FB and MFR Elvaloy, Flex PVC MF/R Covers	Non-Combustible	Glass Fiber, Polystyrene ,Perlite, Polyisocyanurate	3
Flex FB and MFR Elvaloy, Flex PVC MF/R 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

<u>Roof Cover</u>	<u>Deck Type</u>	<u>Insulation, Ply Sheets</u>	<u>Maximum Incline</u>
Flex FB and MFR Elvaloy, Flex PVC MF/R Covers	Non-Combustible	Vapor Retarder, Any Approved Insulation Board,	2 1/2
Flex FB and MFR Elvaloy, Flex PVC MF/R 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

<u>Roof Cover</u>	<u>Deck Type</u>	<u>Insulation, Ply Sheets</u>	<u>Maximum Incline</u>
Flex FB and MFR Elvaloy, Flex PVC MF/R Covers	Non-Combustible	Base Sheet, Any Approved Insulation Board	1
Flex FB and MFR Elvaloy, Flex PVC MF/R 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

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

## MECHANICALLY ATTACHED ROOF SYSTEMS

### CLASS A

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

## CLASS B

<u>Roof Cover</u>	<u>Deck Type</u>	<u>Insulation, Ply Sheets</u>	<u>Maximum Incline</u>
Flex FB and MFR Elvaloy, Flex PVC MF/R Covers	Non-Combustible	Base Sheet, Any Approved Insulation Board	1
Flex FB and MFR Elvaloy, Flex PVC MF/R 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

<u>Roof Cover</u>	<u>Deck Type</u>	<u>Insulation, Ply Sheets</u>	<u>Maximum Incline</u>
Flex FB and MFR Elvaloy, Flex PVC MF/R Covers	Non-Combustible	Polystyrene Insulation Board, Glass Slip Sheet	1 1/2
Flex FB and MFR Elvaloy, Flex PVC MF/R 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