

FLEX ROOF SYSTEMS **UNDERWRITERS LABORATORIES APPROVALS**

BALLASTED ROOF SYTEMS

CLASS A

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|--------------------------------------|-------------------------|--|-------------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|--------------------------------------|------------------|---|------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|--------------------------------------|------------------|---|------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|----------------------------|------------------|-------------------------------|------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|----------------------------|------------------|-------------------------------|------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|----------------------------|------------------|--|------------------------|
| 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

| <u>Roof Cover</u> | <u>Deck Type</u> | <u>Insulation, Ply Sheets</u> | <u>Maximum Incline</u> |
|----------------------------|------------------|--|------------------------|
| 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 |