



## Thermoplastic Single Ply and Multi-Ply Roofing Systems

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### **FLEX CTR 150 BLACK** **DECK REQUIREMENTS AND ROOF SPECIFICATIONS GUIDE**

All decks must be smooth, dry, solid and properly anchored. Decking shall be laid in a level course and properly secured to eliminate any bridging insulation. The roof surface must be clean, dry and free of any foreign material. Submittal of pull out values may be required prior to installation for approval by Flex Technical Services Department. A separation layer may be required over some substrates. An approved recover board is required over all insulation boards.

#### **Metal Decks:**

The first layer of approved insulation board must be mechanically fastened in a Factory Mutual approved pattern to the deck with Flex Screws and Insulation Plates. Overlay insulation boards and recover boards may be set in Type III or IV steep asphalt or an approved insulation adhesive. Install the roof system according to current Flex Details and Specifications.

#### **Poured Concrete:**

Concrete decks to receive hot steep asphalt must be primed with an approved primer. Install a vented base sheet in accordance with manufacturer recommendations. Insulation board and recover boards may be installed with either hot steep asphalt or an approved adhesive. Install the roof system according to current Flex Details and Specifications.

#### **Precast Concrete:**

Joints and weld plates must be grouted and feathered to provide a smooth transition between adjacent panels. Additionally, an 8" wide minimum felt stripping must be centered on joint and set in a troweling of asphalt cement. The roof system cannot be adhered directly to the precast deck. Concrete decks to receive hot steep asphalt must be primed with an approved primer. Overlay insulation boards and recover boards may be set in Type III or IV steep asphalt or an approved insulation adhesive. Install the roof system according to current Flex Details and Specifications.

#### **Lightweight Insulated Concrete or Poured Gypsum:**

The substrate must vent moisture to the underside. Install one ply of Flex 80 mil SS base sheet with approved base sheet fasteners. Consult Flex Technical Department for fastening pattern based on wind uplift requirements and pull out test results. Overlay insulation boards and recover boards may be set in Type III or IV steep asphalt or an approved insulation adhesive. Install the roof system according to current Flex Details and Specifications.

**Wood:**

Plywood must be a minimum of ¾" and wood plank a minimum of 1" nominal thickness. Install one layer of Flex Separator sheet end and side lapped 2" and secured to the wood deck by occasional nailing. Install one ply of Flex 80 mil SS base sheet with approved base sheet fasteners. Consult Flex Technical Department for fastening pattern based on wind uplift requirements and pull out test results. If required an approved insulation board and recover board may be installed in either hot steep asphalt or an approved adhesive. The ply of Flex 80 mil SS base sheet may be eliminated by mechanically fastening the insulation board to the wood deck. Install the roof system according to current Flex Details and Specifications.

**Precast Gypsum:**

Joints and weld plates must be grouted and feathered to provide a smooth transition between adjacent panels. Additionally, an 8" wide minimum felt stripping must be centered on joint and set in a troweling of asphalt cement. The roof system cannot be adhered directly to the precast deck. Install one ply of Flex 80 mil SS base sheet with approved base sheet fasteners. Consult Flex Technical Department for fastening pattern based on wind uplift requirements and pull out test results. If required an approved insulation board and recover board may be installed in either hot steep asphalt or an approved adhesive. Install the roof system according to current Flex Details and Specifications.

**Structural Wood Fiber:**

Install one ply of Flex 80 mil SS base sheet with approved base sheet fasteners directly over deck. Consult Flex Technical Department for fastening pattern based on wind uplift requirements and pull out test results. Install the roof system according to current Flex Details and Specifications. If required, an approved insulation board and recover board may be installed in either hot steep asphalt or an approved adhesive. A single ply of Flex 80 mil SS base sheet must be installed in a solid mopping of hot steep asphalt over the recover board. Install the roof system according to current Flex Details and Specification.