FLASH-TITE

LP (Low Profile) Expansion Joint Covers

DESCRIPTION & USE

- Flexible, insulated cover assemblies for waterproofing structural roof expansion joints
- Ensure a durable, waterproof seal even during periods of extensive joint movement

LP consists of two 26 ga. metal nailing strips heat fused to twin, 40 mil layers of Lexcor's time-tested "FR-40" flexible, reinforced flashing membrane. A fire retardant neoprene foam strip is bonded in the centre to help insulate the expansion joint.

Lexcor LP Expansion Joint Covers are used to cover structural expansion joint openings in any of the following situations:

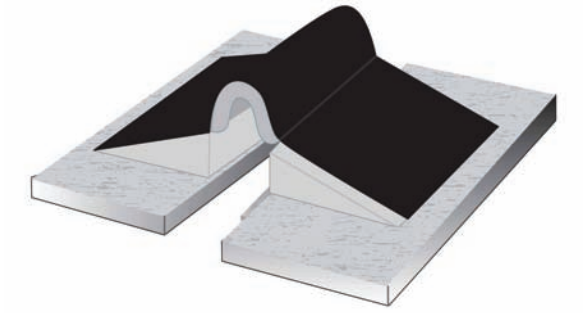
- where the roof area is larger than 45 metres (150 ft.) in any direction
- where the roof support or deck assembly change direction
- where different materials meet (i.e.: roof to wall, concrete to metal deck, etc.)

LP Expansion Joint Covers are compatible with asphalt based built-up roofs, mopped-on modified bitumen membranes and PVC membrane roofs.

Lexcor's CM Expansion Joint may be used for other types of roofing systems. Refer to Lexcor product data bulletin no. 6.15 entitled "CM Expansion Joint Cover" for further information.

FEATURES & BENEFITS

- **Curbs Not Required -** Low profile design eliminates the need for expensive curbs
- **Proven Long-Term Durability -** Have been employed on thousands of buildings across North America for over thirty-five years
- **No Exposed Metal -** Nail heads and the metal nailing strip are covered by the flashing; there are no exposed folded metal joints that can hold and channel water



- **Part of a Complete Flashing System -** Unlike stand alone expansion joint systems, the LP Expansion Joint Cover easily ties in to Lexcor's FR-40™ perimeter flashing membrane to form a complete, comprehensive flashing system for built-up roofs
- **Minimal Field Splicing -** Standard roll lengths of 15.24 m (50') eliminate 80% of the field splices; continuous rolls up to 76.2 m (250 ft.) long are available on special order
- **Pre-fabricated Transitions Available -** Including Angles, Crossovers and Tees; special transition pieces may be custom fabricated at the factory
- **Minimal Stress on Roof Membrane -** Features a proper bellows that ensures structural expansion and contraction forces are not transferred to the roof membrane; flat expansion joint systems that rely on elastic rubber will transfer stress to the roof membrane, possibly resulting in membrane splits or tears during colder temperatures

TECHNICAL DATA

MATERIALS & PHYSICAL PROPERTIES

BELLOWS: Twin, 40 mil layers of Lexcor FR-40™ PVC/rubber alloy reinforced with polyester scrim. FR-40™ is resistant to ozone, air pollutants, ultra-violet light and freeze-thaw cycles.

Tensile Strength: 1750 psi (ASTM D412)
Tear Strength: 75 lbs (FS-191-5136)
Low Temperature Flexibility: Excellent
Dimensional Stab: <5% (ASTM D1204 - shrinkage)

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INSULATION: Closed cell, flame retardant Polyethylene foam, in thicknesses shown below. K-factor = 30 (ASTM C-518); R = 3.84 / in.

NAILERS: 1.5" (38 mm) wide 26 ga. galvanized steel, heat fused to the Bellows material. Aluminum, copper or stainless steel are available on special order.

SPLICING: To ensure proper, foolproof field splices every time, it is recommended that splices be hot-air welded. An easy to use "peel 'n' stick" FR-40 Splice Strip can also be used as an alternative method.

STANDARD SIZES				
Model	Structural Opening	Insulating Foam Width	Insulating Foam Thickness	Overall Width
LP-4	up to 2.5" (65 mm)	4"	3/8"	12"
LP-6	2.5" to 4" (65 to 102 mm)	6"	3/8"	14"
LP-8	4" to 5" (102 to 127 mm)	8"	5/8"	16"
LP-10	5" to 6.5" (127 to 165 mm)	10"	5/8"	18"
LP-12	6.5" to 8" (165 to 203 mm)	12"	5/8"	20"

LIMITATIONS

- Only structurally sound wood cants and curbs are acceptable. Wood must be treated for rot resistance. Non-structural cants constructed of fibreboard or perlite must not be used.
- Refer to Lexcor for special application instructions on coal tar pitch roofs.
- LP should be mounted on a curb where roofs have delayed roof drains or extensive ponding.
- Bridges over the expansion joint must be provided in traffic areas.
- Bitumen or other unspecified adhesive substitutes are not acceptable for LP splicing or repairs.

For extra wide flashing flaps, specify the total desired width after the model no. EXAMPLE: LP-4/18" signifies LP-4 expansion joint with 18" wide flashing flaps.

PACKAGING

Standard packaging is 50 ft. (15.24 m) rolls, complete with Splicing Strip. 100 ft. (30.48 m) and 250 ft. (76.2 m) rolls are available on special order in LP-4 and LP-6 sizes.

INSTALLATION

Refer to Lexcor Technical Data Bulletin 6.20 for detailed installation instructions of Lexcor LP Expansion Joint Cover.

WARRANTY

This product is warranted against manufacturing defects for a period of 10 years. Product installation must be inspected by a Lexcor representative prior to warranty being issued.

SPECIFICATION

Expansion Joint Cover shall consist of a double reinforced PVC/rubber alloy weathering membrane with neoprene foam insulated bellows, heat fused [galv. steel; aluminum; copper; stainless steel] nailer strips and an asphalt compatible flashing membrane. Expansion Joint Cover shall be supplied in minimum 50 ft. (15 m) lengths to minimize field splices and come complete with all necessary splicing materials.

ACCEPTABLE PRODUCT: Lexcor LP Expansion Joint Cover, model no.: _____, supplied by Lexcor, 1.800.268.2889. Expansion Joint Cover shall be installed in strict accordance with the manufacturer's current published installation instructions and [NRCA, CRCA] roofing guidelines.