

Mechanical finger bridge joints

Uses

Fosroc ETIC EJ finger bridge joints are designed for movement joints in elevated bridge structures including;

- Highway bridge decks
- Trafficked access decks in elevated structures
- Ramps
- Overpasses

Advantages

- Provides high movement accommodation up to 300mm
- Aluminium finger joint design protecting the waterproof seal
- Support heavy traffic loads
- Accommodates skew movements
- High durability
- Prestressed tie-bolts encased in PVC sleeve for easy removal

Description

Fosroc ETIC EJ bridge joints comprise aluminium fingers protecting an elastomeric waterproofing seal.

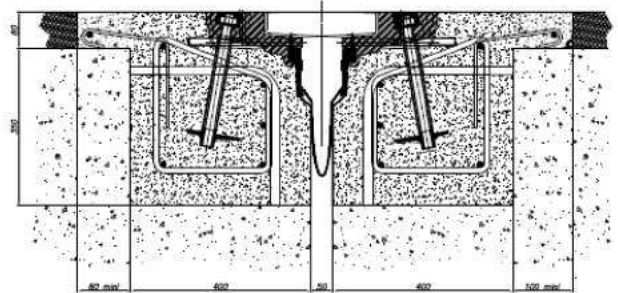
They are supplied in module lengths designed to be bolted to the structural deck on either side of the expansion joint. A range of modules are available to accommodate movement up to 330mm providing a waterproof joint and a smooth, wear resistant surface.

Specification

The Fosroc ETIC EJ mechanical finger joints shall be manufactured from aluminium and include a protected elastomeric waterproof seal. Prestressed tie-bolts secure the joints to the structure and include a PVC sleeve to facilitate easy removal. Units comply with AASHTO and EN standards.

Standards compliance

AASHTO and EN standards.



Type	Movement (mm)	Width (mm)	Gap (mm)
EJ 85	85	205-290	25-105
EJ 110	110	260-370	35-145
EJ 160	160	356-516	50-210
EJ 200	200	420-620	50-250
EJ 250	250	510-760	50-300
EJ 300	300	600-900	50-350

Important note

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Instruction for use

Surface preparation

For new concrete provide a recess either side of the joint to the correct size of EJ joint.

For existing concrete structures saw-cut asphalt and break out a recess to correct size of EJ joint.

Install additional steel reinforcement as required.

Installation

Install temporary polystyrene between the structure in the gap.

Install the waterproof elastomeric seal.

Assemble the aluminium finger elements and prestressed tie-bolts.

Adjust to the correct distance between the aluminium fingers.

Grout recess encapsulating bolts and levelling with adjacent asphalt with Fosroc Conbextra HF

Storage

Store in a clean, dry ventilated place.

Precautions

Health and Safety

There are no health hazards associated with Fosroc ETIC EJ joints in normal use

Supply

Fosroc ETIC EJ joints	1m long modules
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