

## Installation

The 'LJ' system is quick and easy to install, consisting of a specially designed flexible elastomeric expansion insert, housed on each side by high grade aluminium mounting rails which are anchored to the structure with 8mm screw bolt fixings drilled at 250mm centres, providing a safe, efficient and economical method of sealing expansion gaps.



## Technical & Advisory Service

Further technical information may be obtained on request and consultation is encouraged to ensure choice of materials selected and detailing are optimised to suit inservice performance requirements and economic solutions.

A recommended inspection and maintenance statement is available and will also be issued at the time of installation.

## Specification For 'LJ' Longitudinal Expansion Joint

### Materials

#### (i) Carrier Rails

The extruded high grade aluminium rails are supplied in 4 metre lengths and are pre-drilled in our Washington factory prior to delivery to site.

#### (ii) Elastomeric Insert

The extruded EPDM insert is available in various sizes, each capable of accommodating a different range of movement. The inserts are supplied in manageable coils of 18 metres in length and jointed on site.

#### (iii) Drainage Outlets

When the 'LJ' Joint is used as a secondary joint system fixed to the deck soffit. Flexible 20mm diameter outlet tubes can be provided to drain the EPDM insert, these can be directed down the joint gap to discharge into the structural drainage system.

## Health & Safety

Universal Sealants (U.K.) Ltd. operate a strict policy on health and safety and details are available on request.

### Note:

The colours used in the illustrations may not be indicative of the finished product. Universal Sealants (U.K.) Ltd. reserve the right to update and improve the 'LJ' Longitudinal Expansion Joint and its specification without notice and Engineers and Contractors should satisfy themselves that they have full and up to date information.

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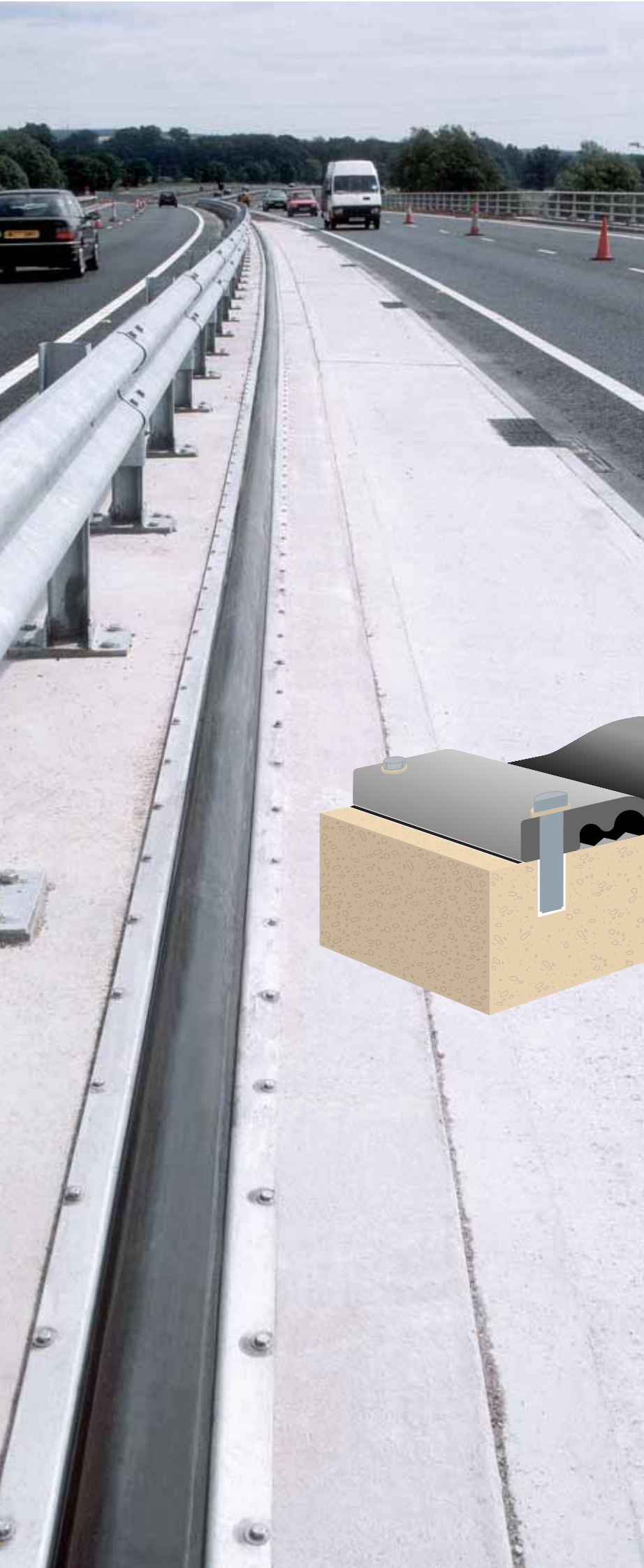
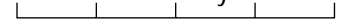
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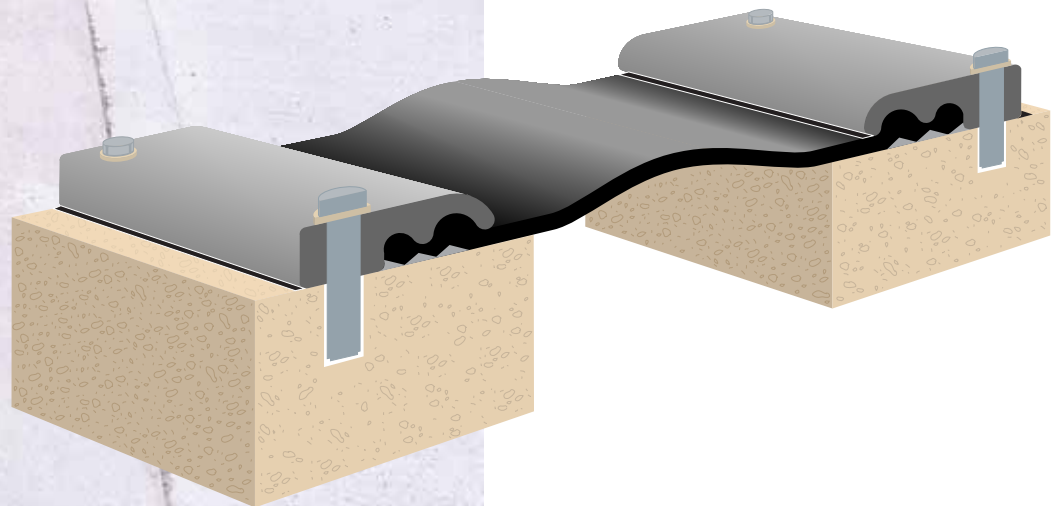
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# 'LJ' EXPANSION JOINTS



BRIDGING THE GAP  
WORLDWIDE



# 'LJ' LONGITUDINAL EXPANSION JOINTS

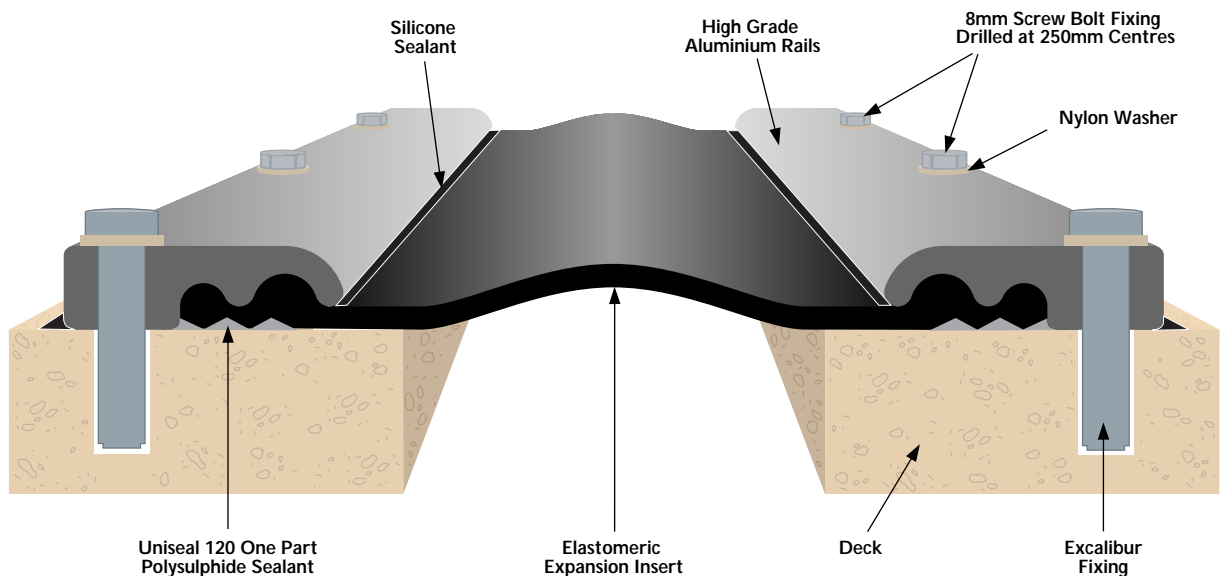
## The Product In Brief

The 'LJ' Expansion Joint system has been specifically developed to provide an effective method of sealing soffit and longitudinal expansion gaps.

Designed to accommodate both longitudinal and vertical movement the 'LJ' Joint provides a continuous watertight seal to non-trafficked movement joints between structures and is available in a range of sizes to suit individual requirements.

The 'LJ' Expansion Joint system has the flexibility to be used as a waterproof cover joint or as a waterproof drainage underjoint with the facility to install drainage outlets into the system when required.

## Design Details



| MOVEMENT CAPACITY      |            |          |
|------------------------|------------|----------|
| (All dimensions in mm) |            |          |
| 'LJ'                   | HORIZONTAL | VERTICAL |
| A                      | ± 50       | ± 40     |
| B                      | ± 100      | ± 75     |

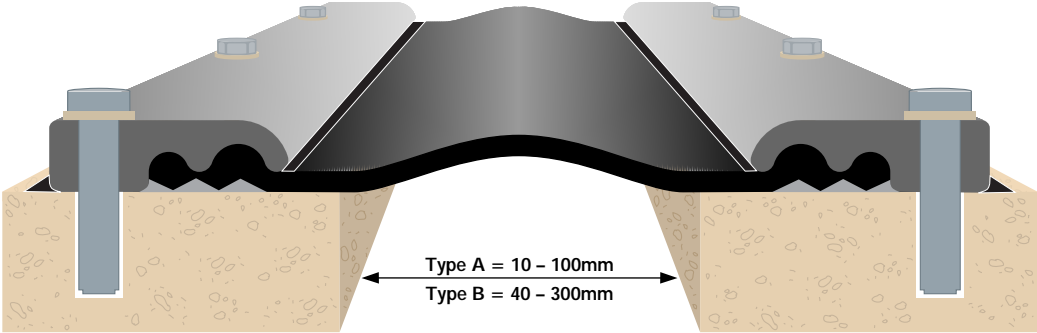
## Applications

The applications for the 'LJ' Joint are widespread and include longitudinal joints between parallel structures and as a secondary joint system fixed to the soffit of structures where problems are experienced or anticipated with ineffective mechanical expansion joints.

## Advantages

- Speed of installation
- Protection of structures
- Flexible to applications
- Low maintenance
- Long term solution
- Cost effectiveness
- Safe
- Simple to install

### 'LJ' Waterproof Flexible Cover Joint



### 'LJ' Watercollecting Soffit Joints

