



# Expanseal EJS\*

## Neoprene rubber seal for expansion joints

### Uses

Expanseal EJS\* is a range of extruded neoprene rubber seals designed for sealing expansion joints in bridge decks, water retaining and water excluding structures and building movement joints to accommodating movement up-to 30%. The seals are resistant to abrasion, puncturing and oils and are design to operate under compression between epoxy mortar, steel, concrete or other substantial joints nosing.

### Advantages

- Excellent recovery characteristics
- Long maintenance-free life
- Resistant to motor oils, road salts and other chemicals.
- Resistant to abrasion and puncture
- Easily installed
- Temperature stable

### Description

Expanseal EJS\* are of honeycomb section, designed to accommodate movement from 10 – 30 % and maintain pressure against the joint walls without the internal webs sticking together or the section suffering permanent deformation. These seals are intended for use in sawn or preformed joints, correct geometry and dimensional accuracy being important for their success.

Expanseal Adhesive an epoxy resin nosing bonding compound is particularly recommended for bonding of Expanseal EJS\* with joint nosing.

### Technical support

Fospak provides a technical advisory service for on-site assistance and advice on selection of Expanseal EJS.

### Site installation

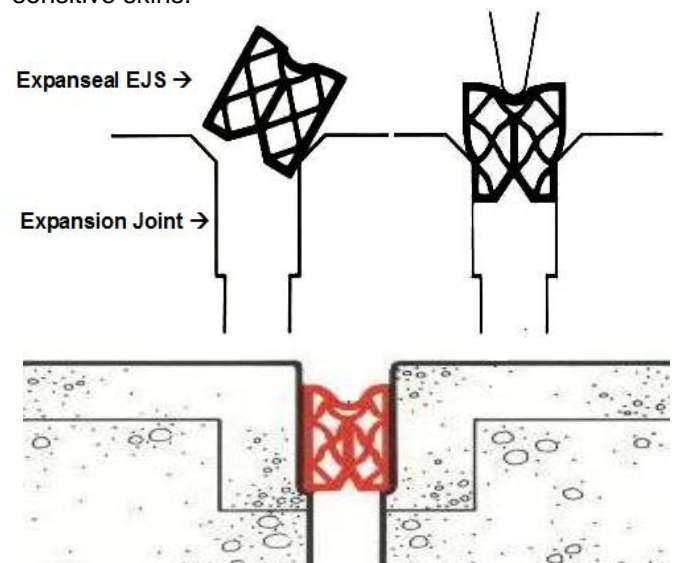
Expanseal EJS\* should be installed in continuous length across the full width of the structure without abrupt changes in direction. The minimum radius through which the seal can be bent is three times the depth of the seal section.

At non-critical section of the joint, sharper bends can be made by cutting away the bottom of the seal.

Expanseal EJS\* are quickly installed with the aid of Expanseal Adhesive, first of all the sides of the Expanseal EJS\* and walls of the sealing slot should be wiped clean with Solvent 105 joint cleaner.

The seal is then best laid alongside the joint. Expanseal Adhesive should be mixed and applied to the sides of the Expanseal EJS\* and walls of the sealing slot in convenient lengths as work progresses. As this is done, the Expanseal EJS\* should be laid along the line of the joint and pressure applied at the base of the section, to ease it into the sealing slot, the complete seal is then driven home, using the rubber or wooden hammer.

It is advisable to wear rubber gloves when using Expanseal Adhesive; it may cause irritation to sensitive skins.



### Type of profiles

Expanseal EJS* 35/25	35 mm x 25 mm
Expanseal EJS* 45/25	45 mm x 25 mm
Expanseal EJS* 50/30	50 mm x 30 mm
Expanseal EJS* 65/35	65 mm x 35 mm
Expanseal EJS* 75/40	75 mm x 40 mm
Expanseal EJS* 90/45	90 mm x 45 mm

### Properties

Hardness, Shore 'A' @ 25 °C:	40 to 60 Shore 'A'
Tensile strength:	10 – 12 N/mm <sup>2</sup>
Elongation at break:	250 %
Movement Accommodation Factor (MAF)	10 – 30 %

## Cleaning

Expansal Adhesive should be removed from tools, equipment and mixers with Solvent 105 immediately after use. Hardened material can only be removed mechanically.

## High temperature working

Whilst the performance properties of Expansal Adhesive at elevated temperatures are assured, application under such conditions can sometimes be difficult. It is therefore suggested that, for temperatures above 35°C, the following guidelines are adopted as a prudent working regime:

- (i) Store unmixed materials in a cool (preferably temperature controlled) environment, avoiding exposure to direct sun light.
- (ii) Keep mixing and placing equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
- (iii) Try to eliminate application in the middle of the day, and certainly avoid application in direct sunlight.

## Estimating - packaging

Expansal EJS\* depend on width of seal.  
Expansal Adhesive is available in 1 & 2.50 Kg. Packs

## Coverage

Expansal Adhesive : 2 – 3 sq.mt. / Kg.

## Storage

Expansal Adhesive has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then contact your local Fospak office for advice.

Freezing point:            **Approximately -6°C**

## Precautions

### Health and safety

Expansal Adhesive Solvent 105 should not come in contact with skin or eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapors. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. In case of contact with skin, remove immediately with resin removing cream followed by washing with soap and water.

Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

## Fire

Expansal Adhesive is non-flammable. Solvent 105 is flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use a water jet.

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