



Manufacturer of Bridge Components

Bedding Strip

Data sheets



Manufacturer of Bridge Components

Bedding Strip

Design Features

A hardwearing and durable **Reinforced Rubber** membrane formed from elastomer, fabric and other additives. It is a versatile rubber system with unique flexibility properties that is designed to absorb the movements and support the RE module while forming a bedding for the membrane that is supporting.

The purpose of the design is to produce a membrane to replace grout with two fundamental reasons after years of experience on installation of the modules:

- ❖ Removal of the wet trade.
- ❖ Increase speed of the installation.

Bedding Strip (BS) is flexible enough to fill the concrete contour, hence forming one single unit with the AssaFlex Damp Barrier (DB) and the AssaFlex RE Module.

Bedding strip is used in place of grout.

By using bedding strip, the client saves money and time, allowing one team to carry out the installation in one cycle, therefore increasing productivity.

The membrane has similar bolt holes (10 No) to the RE Modules allowing a swift placement under the RE modules and speeding up the installation process.

Bedding strip is manufactured in 10mm & 50mm thicknesses.

The thickness and number of layers are determined according to the thickness of the bedding required under the expansion joints.

If the deck has a good finish, then only one 10mm layer is adequate. In a case where due to unevenness of the deck or if the depth between the concrete deck and finished road level is greater than expansion joints thickness, then more layers of bedding strip is required. On refurbishment projects usually more than two layers are required.

Bedding strip can be used with RE & EMR products.

Fixing of the membrane

The membrane is positioned under the expansion joints in two sections leaving a space in between the two, for the drainage.

There are 10 No fixings holes following similar measurements to the RE & EMR products, ie:5 holes per side.



Manufacturer of Bridge Components

Benefits

- Designed to accept the movements under the expansion joints
- Flexible & durable
- 10 No fixings holes per one meter unit.
- Speed up the installation process.
 - ✓ By removing the wet trade
 - ✓ Being able to install expansion joints in a single process.
- Economical
- Easy to use system.

Specifications

The following table shows the specifications for the rubber element of the **Bedding Strip**.

NO	Property	Test Method	Unit	Test Result
1	Hardness	ASTM D/2240	Shore A	80
2	Tensile Strength	ASTMD/412	PSI-min	850
3	Elongation at Break	ASTM D/412	%	180
4	Tear Strength	Due to the nature of the membrane it is extremely strong and it is almost impossible for it to be thorn.		