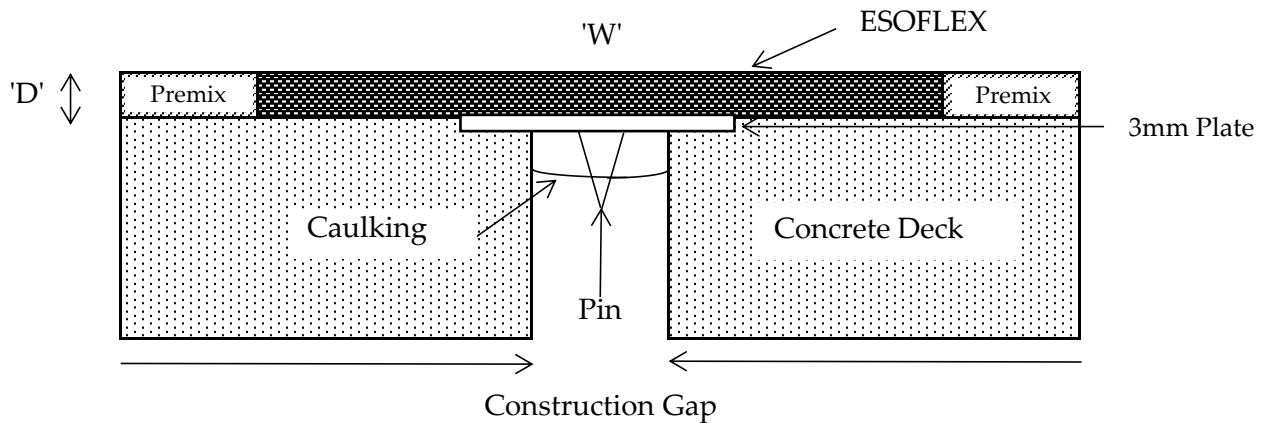


## ASPHALTIC PLUG JOINT



Product Name	Horizontal Movement	Vertical Movement	Standard Joint Size 'W' x 'D'	Construction Gap
ESOFLEX	50	± 1.5	500 x 75	25

*Note : All dimensions in mm*

### PRODUCT DESCRIPTION

ESOFLEX Joint System is an asphaltic plug joint which is suitable for low to medium movement capacity expansion joints on highway bridges and other selective structures. The design movement for this joint are 50mm horizontally and  $\pm 1.5$ mm vertically.

ESOFLEX Joint System extends to the full depth of surfacing and is installed after the carriageway and verge construction has been completed. It performs by elastic and plastic deformation of the binder matrix through a combination of bridge deck movement factors and the nature of the traffic using the structure.

ESOFLEX Joint System when installed will accommodate bridge deck movement factors. The normal movement capacity is attained in joint size at 500mm wide and not less than 50mm deep.

Two sizes of aggregate, 6mm – 10mm and 14mm – 19mm are used for ESOFLEX Joint System from basalt granite and dolerite groups has been shown to be satisfactory in exhibiting excellent resistance to crushing, impact, abrasion, polishing and flakiness.

The types of aggregate recommended as follows :-

Aggregate Abrasion Value (A.A.V.)	max 5.0
Aggregate Impact Value (A.I.V.)	min 16
Aggregate Crushing Value (A.C.V.)	10 to 25%

## ASPHALTIC PLUG JOINT

### FEATURES

- \* Perfect Waterproof Properties
- \* Smooth and Comfortable Riding
- \* Excellent Durability
- \* Fast Installation
- \* Easy Maintenance
- \* Flexible and Fast-Cure Compound

### INSTALLATION

- \* Premix Marking and Saw Cut to the required joint dimension
- \* Hacking and Cleaning by Air Blower and Hot Air Burner.
- \* Removing all Laitance and Sub-Standard Material
- \* Applying Binder into the prepared trench
- \* Installing Plate with nail over the gap
- \* Applying Mixture into the prepared trench
- \* Compaction of Joint with Mechanical Compacter
- \* Lay and Trowel of Binder for Finishing Layer
- \* Completed Joint System can be Trafficked within 1 – 2 Hours.



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