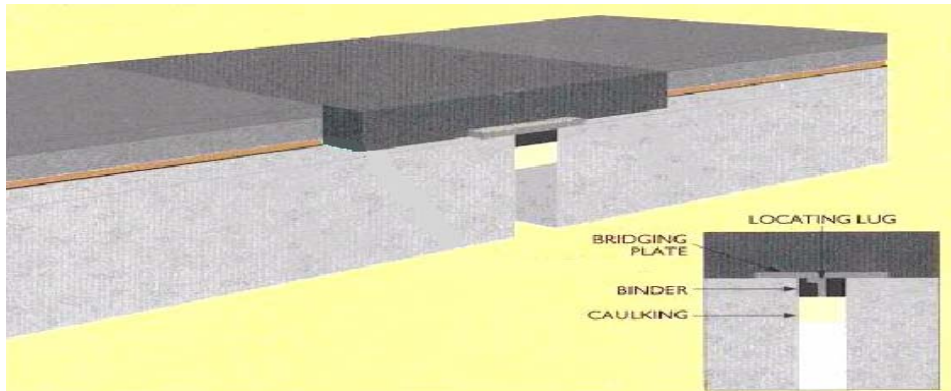


## DOSHIN ASPHALTIC PLUG JOINT



### Design Detail

Product Name	Horizontal Movement	Vertical Movement	Recommended Joint Size	Construction Gap
DOSHIN AP	± 25	± 1.5	500 x 75	25
	± 20	± 1.5	300 x 75	20

Note : All dimensions in mm

### PRODUCT DESCRIPTION

DOSHIN AP 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 maximum design movement for this joint are  $\pm 25$ mm on horizontally and  $\pm 1.5$ mm on vertically.

DOSHIN AP 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

DOSHIN AP 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.

### BINDER SPECIFICATION

<u>Item</u>	<u>Specification</u>	<u>Test Method</u>
Penetration at 25°C	< 40 dmm	ASTM D5 (1985)
Softening Point	> 100°C	ASTM D36 (1985)
Flash Point	> 250°C	ASTM D92 (1985)
Specific Gravity at 25°C	> 1.2	ASTM D70 (1982)

# DOSHIN 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 Compactor
- Lay and Trowel of Binder for Finishing Layer
- Completed Joint System can be Trafficked within 1 – 2 Hours.



Note:

We reserve the right to update and improve the 'Doshin Asphaltic Plug Joint' and its specification without notice.