ROAD JOINTS

VIAJOINT®

Data sheet n°: CV1-1

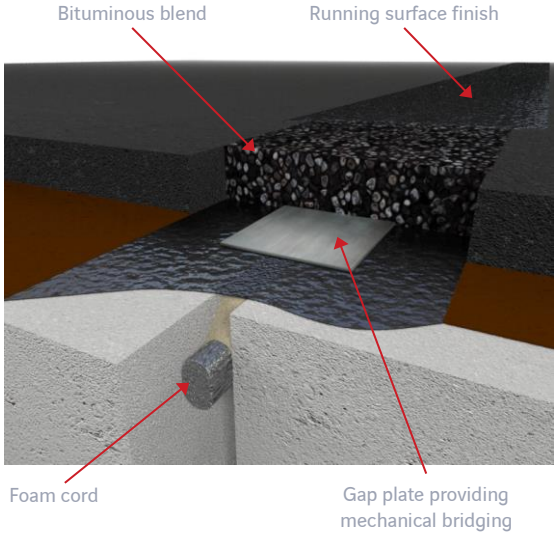
- Rapid installation
- Watertight
- Cost-effective
- Noise control
- Corrosion protection
- User comfort

Introduction

Expansion joints for road bridges are used to ensure the continuity of the running surface and its load bearing capacity (safety and comfort of the users) while guaranteeing the structure freedom of movement.

Description

Viajoint® is a bitumen joint belonging to the flexible asphaltic plug category. It is suitable to any type of road surface, whatever the structure's constitutive material.
Viajoint® is installed in-situ and combines a bitumen-elastomer binder and aggregates supported by thin aluminium plate over the bridge deck gap. The joint filling mixture is flush with the running surface.



Applications

- Concrete, steel, and composite structures
- Slab bridges, cable-stayed, suspension or lifting or tilting
- New build projects
- Repair works' best option

Advantages

- **Noise control** and **comfort of use** owing to the perfect continuity of the running surface
- **Rapid installation**, within the revetment thickness of the bridge. No need to create recesses. Traffic flow can be restored very quickly.
- **Corrosion resistant**: metal parts are not directly subjected to chemical or corrosive attack
- **Waterproofing** and **bridging elasticity** are ensured by Viajoint® 's bitumen-elastomer binder
- **Mechanical strength** is provided by the rigorously selected granular aggregate

Installation

Viajoint® is installed after cutting and stripping the existing road surface material. Once the joint base is installed, the kerf is filled with the preheated aggregates and the bitumen-elastomer binder in 40 to 60 mm successive layers. Each step requires expertise and special precautions and calls for qualified and
skilled teams.

Viajoint® installation in successive phases

A83 Highway (France)

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VIAJOINT®

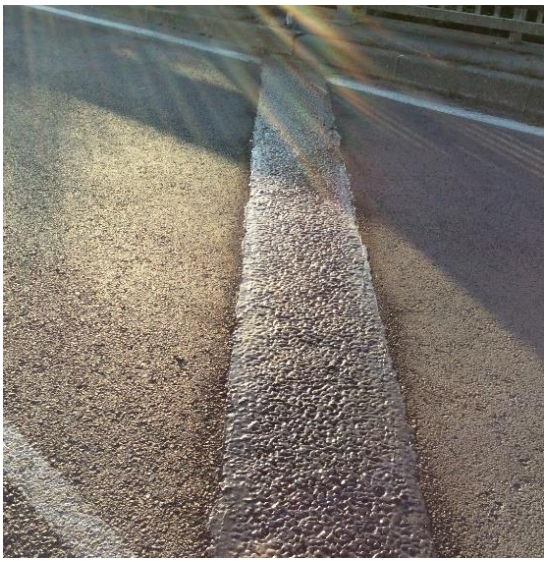
FREYSSINET
SUSTAINABLE TECHNOLOGY

Movement range

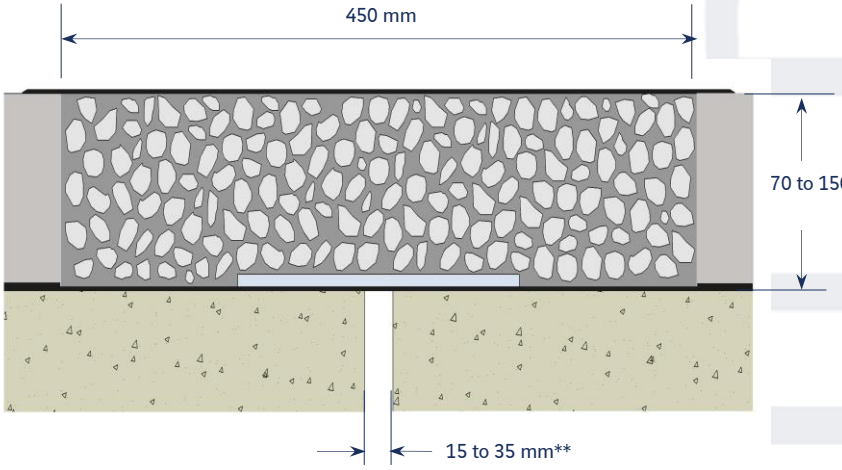
Viajoint® allows longitudinal movements of +/- 10 mm and accepts skew angles up to 50 gr. Viajoint® is an appropriate solution for longitudinal joint between parallel bridge decks.

Longitudinal and transversal lines
Oued Cherrat, Rabat-Casablanca Highway (Morocco)

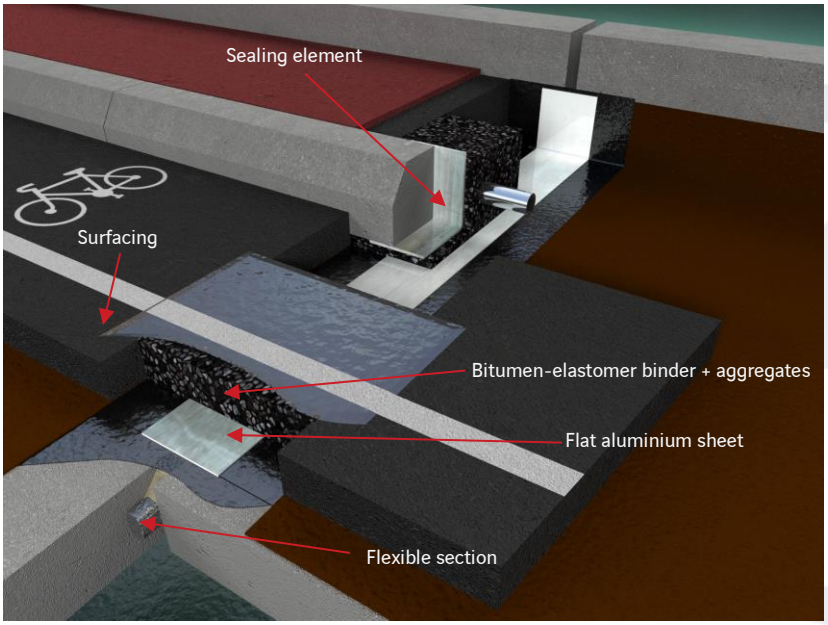
Different types of running surface finish ▲ with ▲ fine aggregates ▼ without ▼



General dimensions



* For values under 70 mm, please contact us
**For other values, please contact us



Footpath and kerb detail

A global approach

- Specification and design services
- Manufacture by carefully selected partners
- Production supervision to ensure compliance with specifications defined
- Full installation / replacement or technical support
- Inspection and maintenance
- Certifications include ISO 9001, ISO 14001, ISO 45001