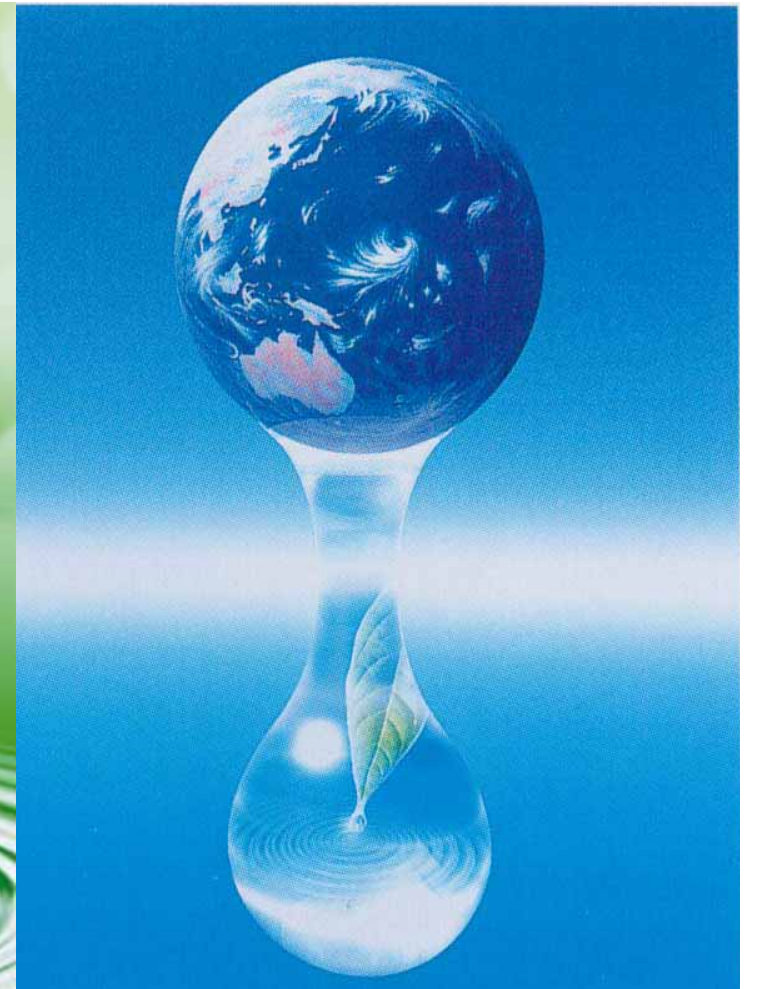


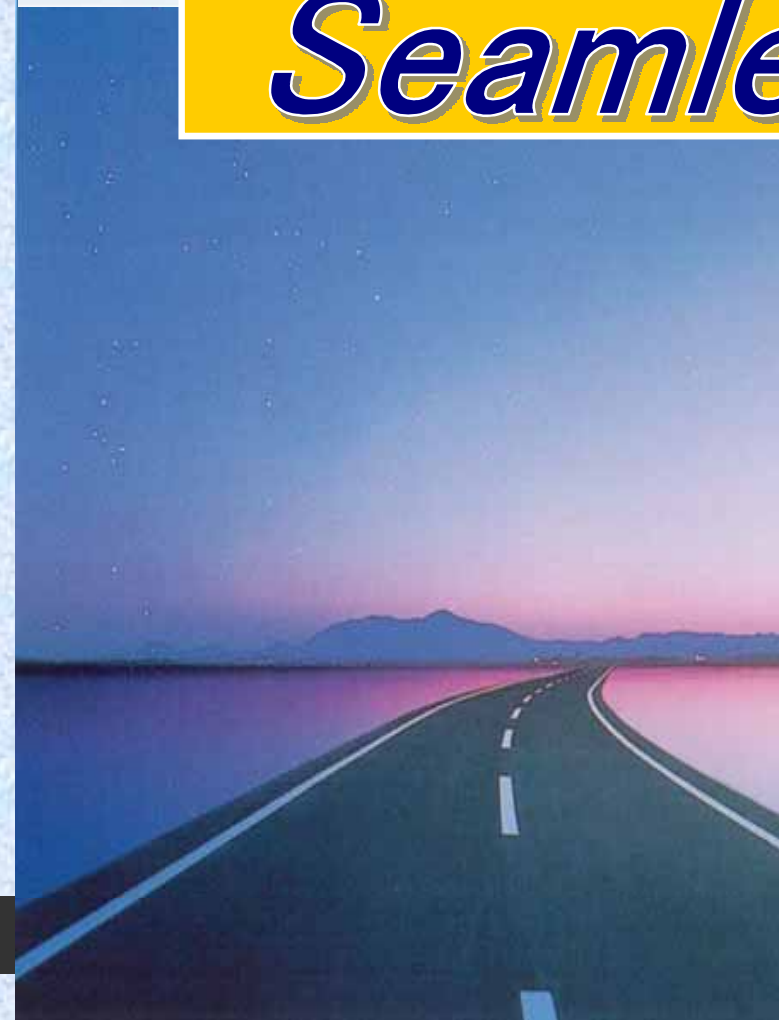


HeatRock Industry Co.,Ltd.



Buried Expansion Joint for Bridges

Seamless Joint



HeatRock Industry Co.,Ltd.

Your ideal will be realized by the HeatRock only.

What is the Seamless Joint ?

The seamless joint, so-called “buried expansion joint” or “asphaltic plug joint”, consists of asphaltic material as almost the same property as asphalt pavement around joint, and steel joint frame buried in the bottom of its asphaltic material. The seamless joint will be able to prevent noise and vibration, to keep flat surface at joint. As the result, comfortable surroundings of bridges will be provided by the seamless joint.

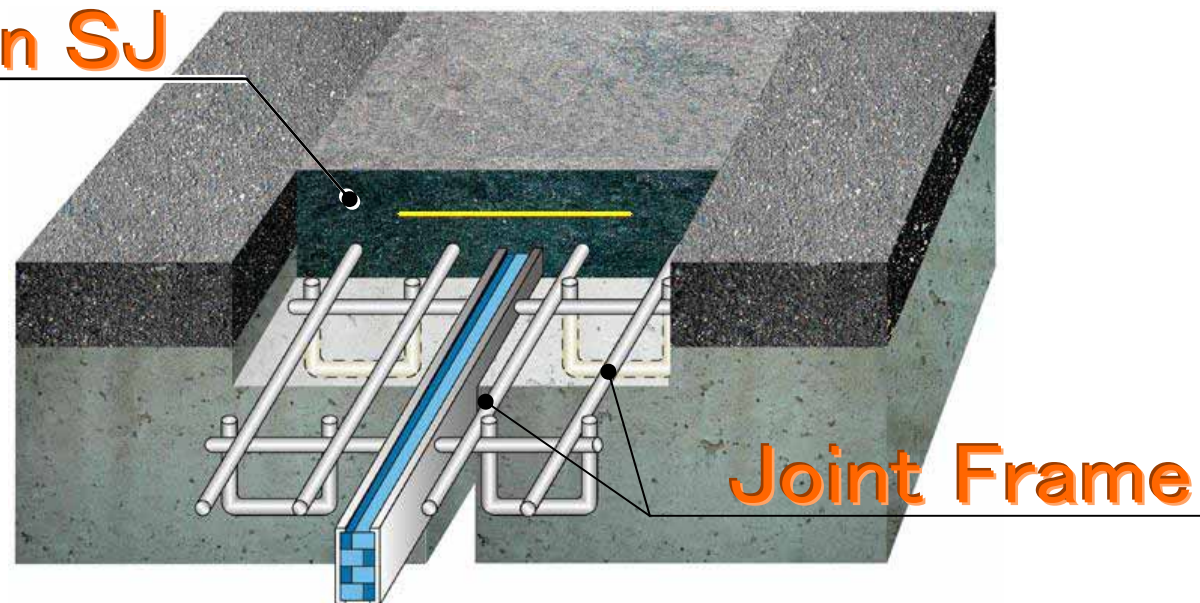
Preface

Recently, continuing pavement surface at expansion gaps of bridges is being expected, because of prevention of noise and vibration caused by traffic, efficient maintenance and so on. Especially, in heavy traffic road in city area, it is very ideal to immediately conduct measures such as continuing pavement surface. Therefore, buried expansion joint provided by the HeatRock will be considered to apply as an ideal method.

At present, development work on buried expansion joint in the HeatRock, is not only on short span bridges but also on medium or long span bridges.

Seamless Joint

Falcon SJ



Falcon SJ

Falcon SJ has great performances as not only asphalt pavement but also elastic solid required in expansion joint.

Falcon SJ is premix granular material using special manufacturing technique, therefore can be preserved for a long time. Falcon SJ is heated up by special cooker at construction site before using. Therefore, its quality is kept.



Joint Frame

Joint Frame unifies Falcon SJ and slab completely.

Joint Frame follows horizontal and vertical movements at the end of girder.



Quality Management, Workability, Safety based on using FC Cooker

Type of 300 kg Capacity

Automatic temperature control

No spoiling of material by indirect heating

Easily, Immediately, Labor Saving



▲ Type of 100kg Capacity



Automatic heating and melting machine **FC Cooker**

Advantage in Life Cycle Cost ! !

~ Great cost performance ~

It is very important to consider initial and maintenance costs in decision on type of expansion joint.
The seamless joint realizes reducing life cycle cost.

*Reduce !
Life Cycle Cost*

Initial Cost

Initial cost as some other expansion joints.

Maintenance Cost

Only surface falcon requires maintenance.
Steel joint frame is maintenance-free.

Type : SJ-M

Design Movement
50 mm or less

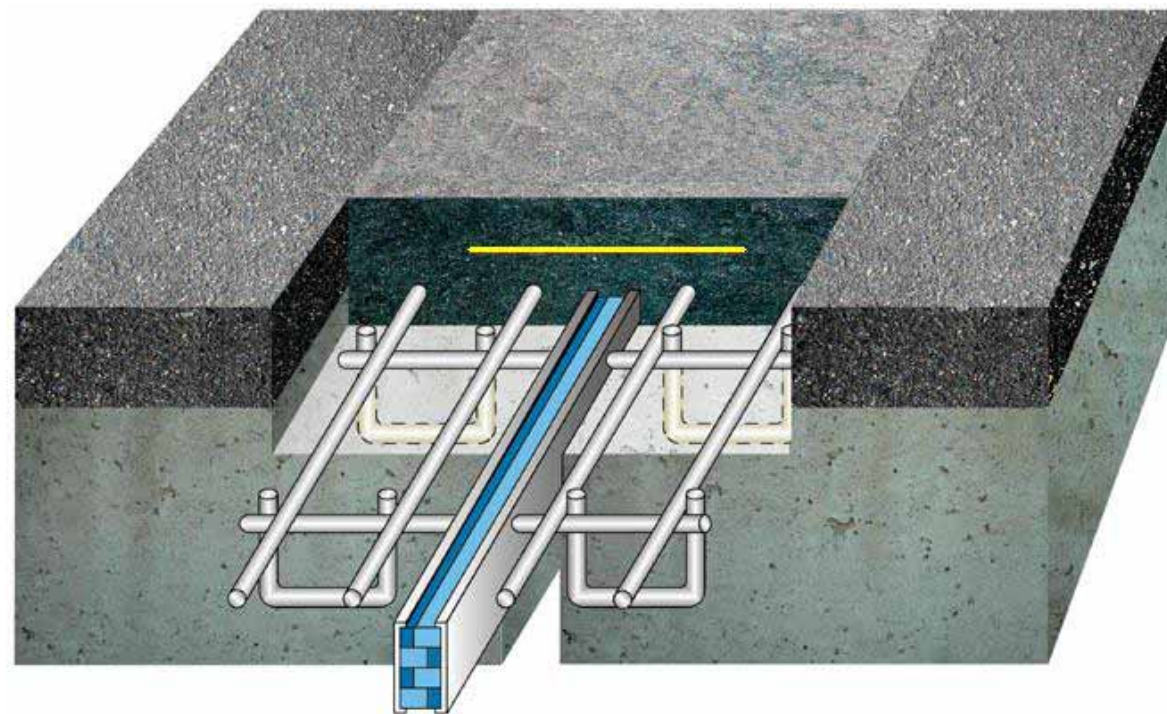
The seamless joint, SJ - M consists of asphaltic material as almost the same property as asphalt pavement around joint, and steel joint frame buried in the bottom of its asphaltic material.

Applied Joint

Expansion Joint Longitudinal Joint in Slab

Applied Kind of Bridge

Steel Bridge PC Bridge RC Bridge

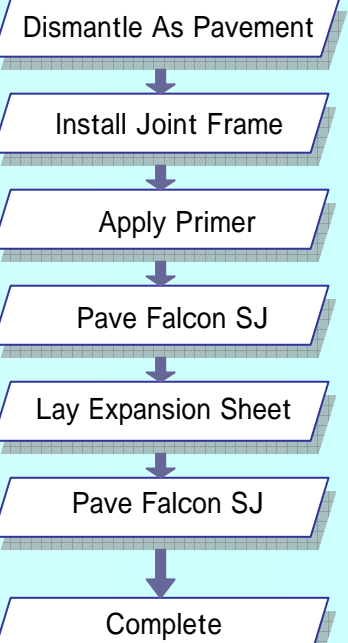


Standard Size : Width 400mm × Depth 80mm or more

Applied Expansion Gap	Applied Girder Length	Applied Surface Inclination	Type of Frame Anchor
100 mm or less	Steel Bridge ~ 3.5m	Road Inclination	New Pre-installed Anchor
	PC・RC Bridge ~ 4.5m		Repair Post-installed Anchor



New



Repair

