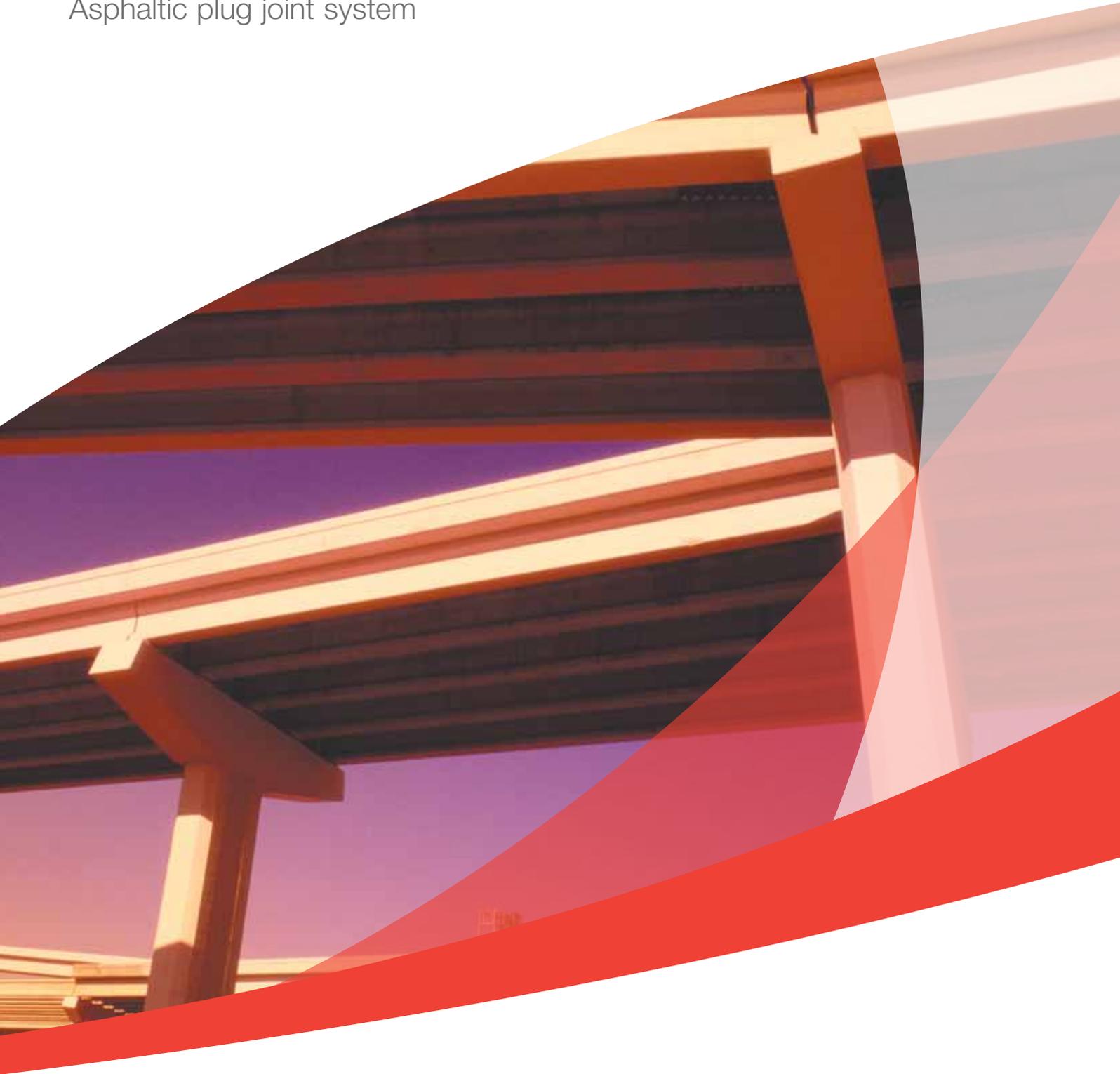


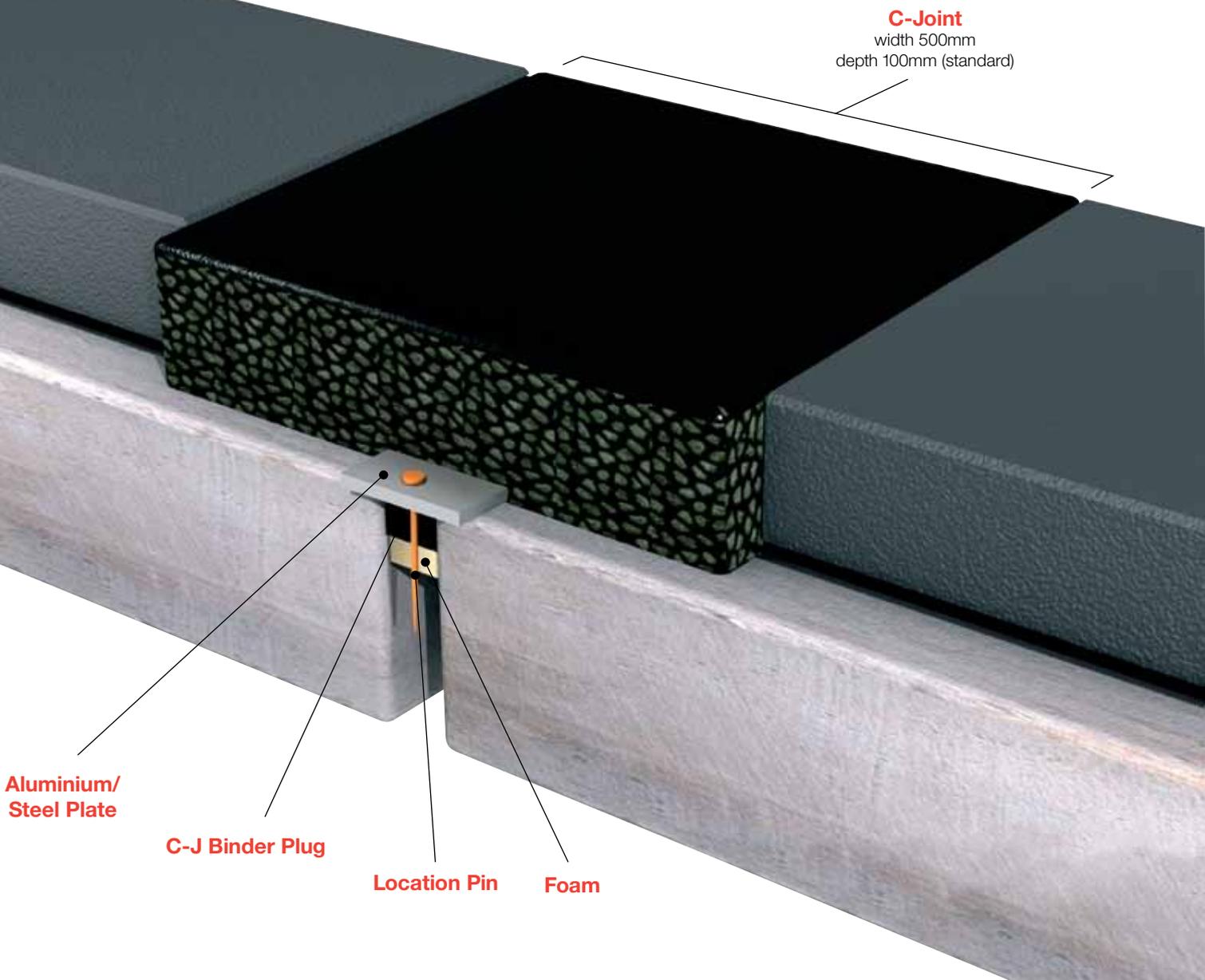
C-Joint

Asphaltic plug joint system



Bridging the gap

Colas is one of the world's leading road construction and maintenance groups. Over the last seventy years Colas has built up a solid international network including quarries, emulsion plants and coating plants. The Group manufactures aggregates, emulsions, modified binders and asphalt for its own projects or for selling to third parties. This experience has enabled Colas to develop a high performance asphaltic plug joint system.



Problems with bridge expansion joints are well known. A punishing environment created by traffic loads and climate conditions means that the right jointing system is imperative if the structure and bearings are to be protected from water and salts.



Expansion joint systems developed in the past have either not performed adequately, e.g. due to mechanical failure, or are not cost effective. C-Joint bridges this gap.

C-Joint is the perfect choice of system for low to medium movement bridge expansion joints. It is an asphaltic plug joint which is able to accommodate up to $\pm 25\text{mm}$ horizontal movement.

The main components of C-Joint are a high performance elastomer modified bitumen binder and single size aggregate. Together they create a joint matrix which gives both flexibility and strength enabling the joint to accommodate all kinds of movement whether they are thermal, rotational or traffic induced. It is completely watertight and the bridge structure and bearing system are fully protected.

Several different grades of binder are available in order to meet different climatic conditions throughout the world.

For the bridge engineer C-Joint is a cost effective, durable and versatile bridge joint system and comes with the guarantee of the Colas name.



Features and benefits

Flexible

C-Joint is virtually omni-directional being able to accommodate longitudinal, rotational, vertical and transverse movements. It can accommodate up to $\pm 25\text{mm}$ horizontal movement.

Watertight

Being completely watertight, C-Joint protects the structure and bearing system from moisture. Drainage can be incorporated into C-Joint to remove any sub surface water.

Silent

When trafficked there is little or no increase in noise levels.

Quick installation

Rapid installation and the ability to be installed in partial widths reduces disruption to road users and other costs.

Versatile and adaptable

Can be installed in new and old structures and is constructed to meet the requirements of individual sites.

Rapidly and easily repaired

If damaged by accident, C-Joint can be easily & rapidly repaired. During resurfacing work it can be planed off and topped up again.

Safe

C-Joint is flush with the road surface, provides no obstacle to traffic and has no parts to come loose to become traffic hazards.

Durable

C-Joint contains no mechanical parts which may require replacement and is able to withstand structure movements and traffic loads in all climates.

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