



Nafutekt Plus: Proven system installed by competent applicators give design confidence

- For sealing road joints
- For new construction and repair of traffic joints

The Nafutekt Plus System is only installed by MC-Bauchemie's specially selected and trained licensees.
Call MC-Bauchemie to locate the nearest licensee.

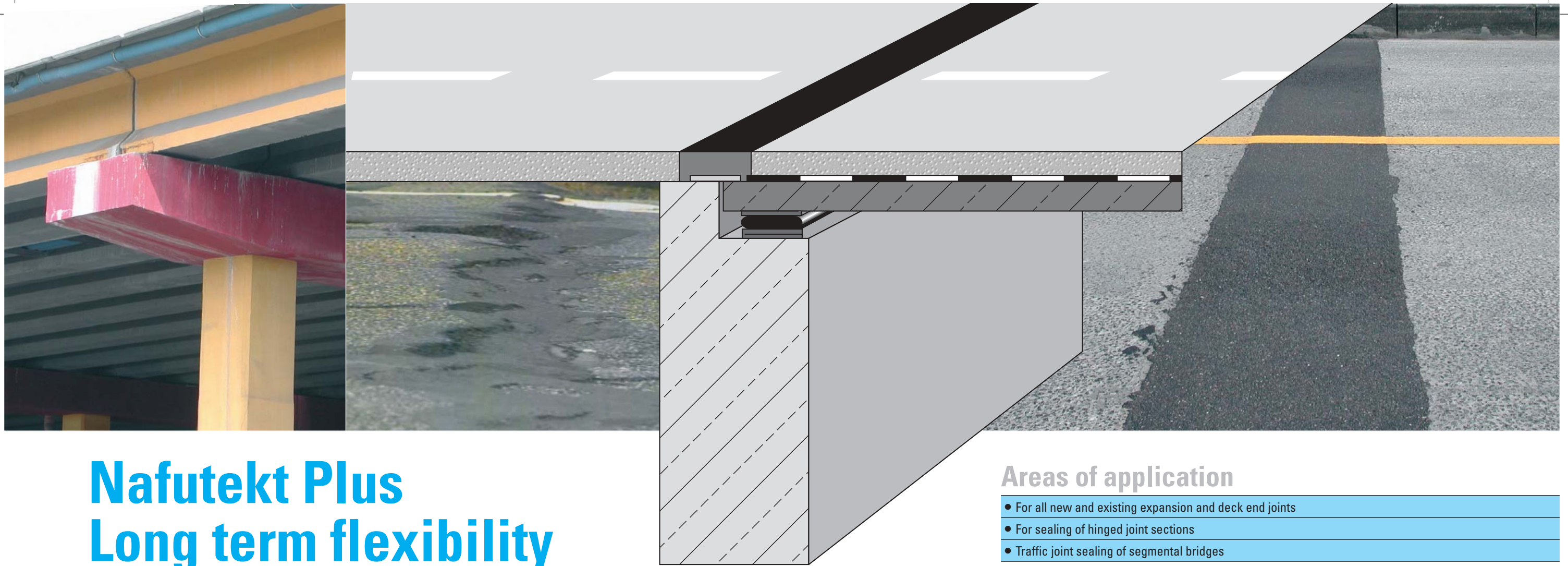
The durable and flexible system for joints in traffic surfaces. Long term cost effectiveness.

Nafutekt Plus



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Nafutekt Plus

Long term flexibility

Areas of application

- For all new and existing expansion and deck end joints
- For sealing of hinged joint sections
- Traffic joint sealing of segmental bridges

The design of joints in bridge decks has a critical effect on the performance and the service life of the bridge itself. This is especially true of decks with a short span or multi-sectioned bridges.

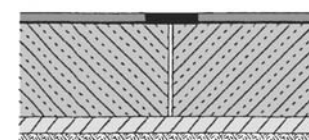
The design of the joints on short span or segmented bridges is a detail that has an enormous influence on the service life of the structure. A badly designed and or poorly executed joint will lead to leaks and the penetration of de-icing salts as the bridge is subjected to dimensional changes. Combined with the dynamic loads imposed by traffic the damaging effects accumulate. Progressive deterioration of the road surface of the load bearing concrete elements will, if allowed to continue unchecked eventually necessitate extensive and expensive repairs.

Sustained safety & durable flexibility

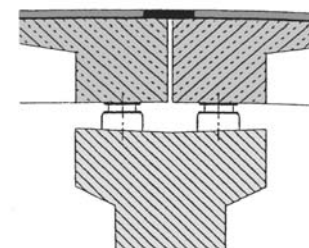
Nafutekt Plus is applied in layers using a "hot-on-hot" technique. A special graded aggregate is heated and placed in conjunction with a hot poured polymer modified bitumen. The resultant joint is durable, flexible and can withstand high dynamic loads while protecting the substrate against the ingress of water and de-icing salts. The effects on the structure of seasonal and diurnal temperature changes are fully accommodated.

Nafutekt is an economic and effective road joint system that has a long-standing and proven track record in both new construction and the repair of damaged joints.

The Nafutekt Plus system forms a durable bond between the surfacing material and the structure, and accommodates changes in length caused by dynamic loads and temperature fluctuations.



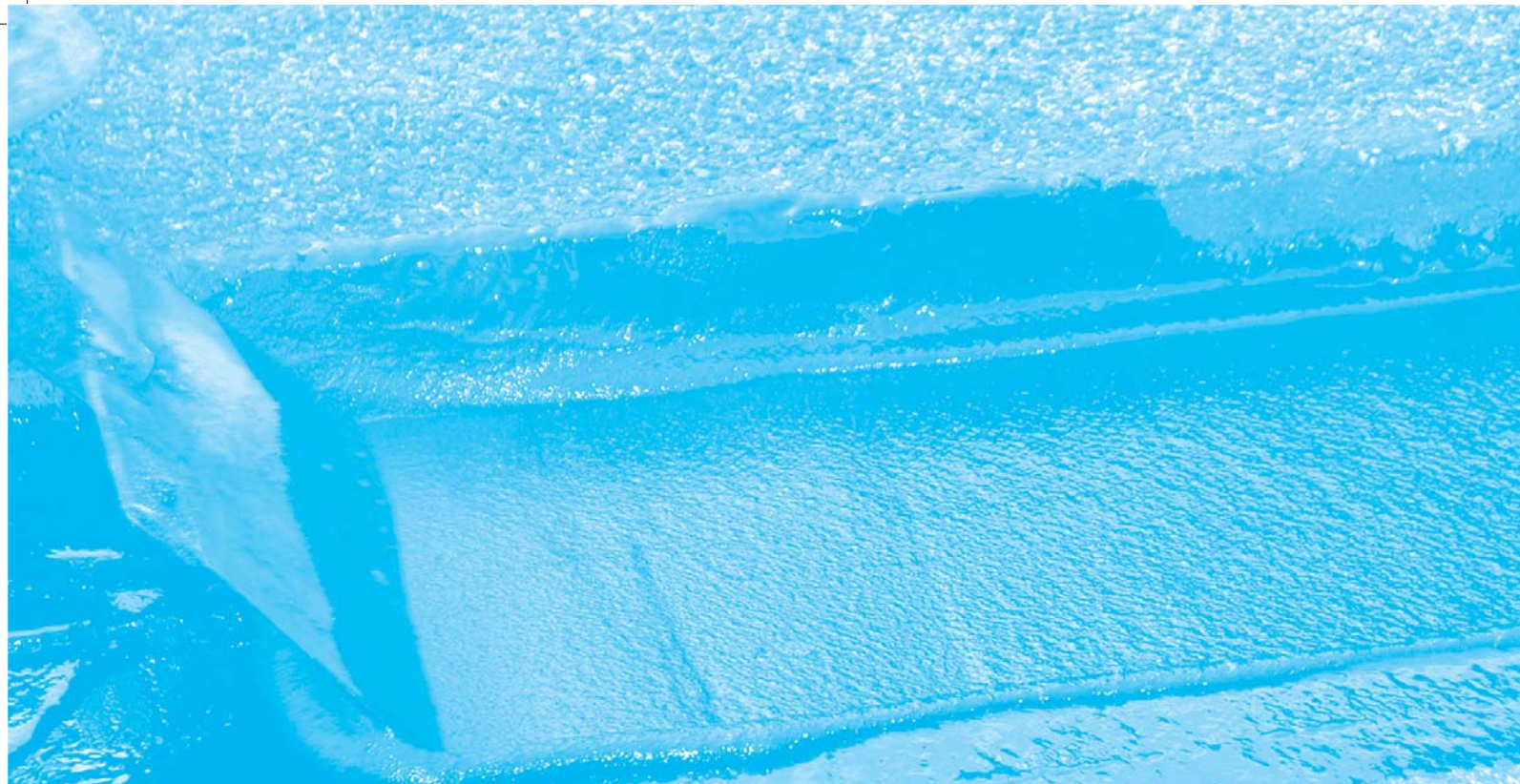
Application as block joint in tunnel section.



Application as joint in multi-section construction.

Advantages

- Cost-saving application with basic equipment
- Fast application means short closures
- Durable system means reduced expenditure for local and national highway authorities
- Guaranteed MC system solution: Nafutekt Plus – tried and tested since 1989



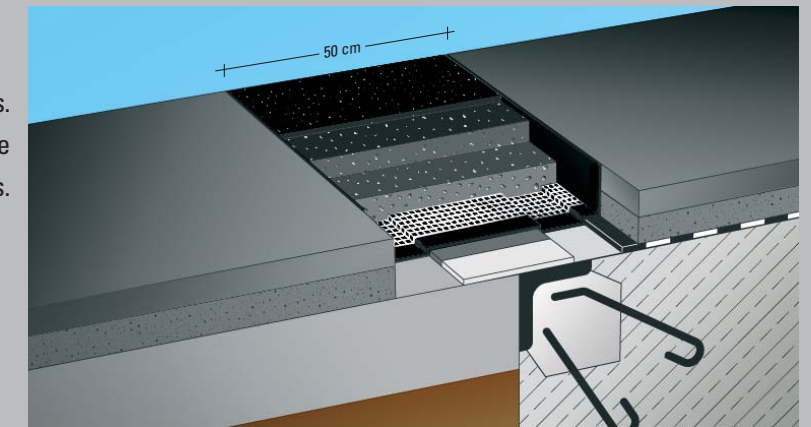
Nafutekt Plus Instills design confidence

Nafutekt Plus is a tested and approved road surface joint system using polymer modified materials according to ZTV-Ing. Part 8 Section 2. Nafutekt Plus forms durable, waterproof, elastic traffic joints on bridges and load bearing structures. Nafutekt Plus is a more economic alternative to conventional hot poured deck joints that need frequent re-sealing.

Besides lasting protection for the structure Nafutekt joints give a smoother ride for motorists and cyclists. There is also a significant reduction in noise emission compared with conventional joints uneven transition.

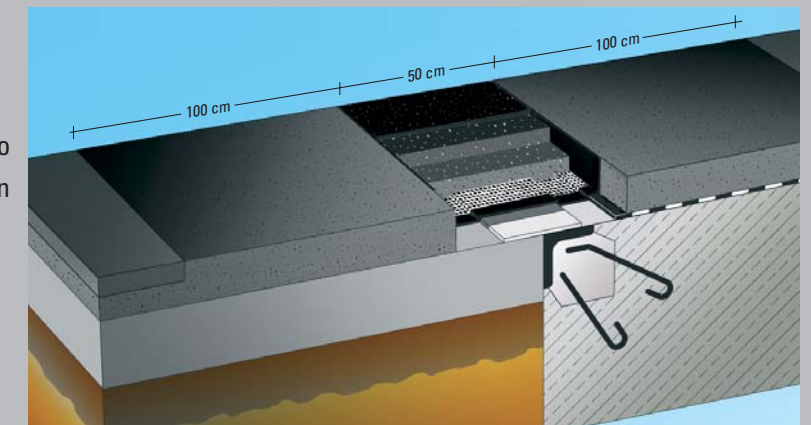
Construction end joints in mastic asphalt or bituminous coatings:

Nafutekt as end joints on single span bridges. Bituminous road and bridge surfacings are made from asphalts with less than 6% voids.



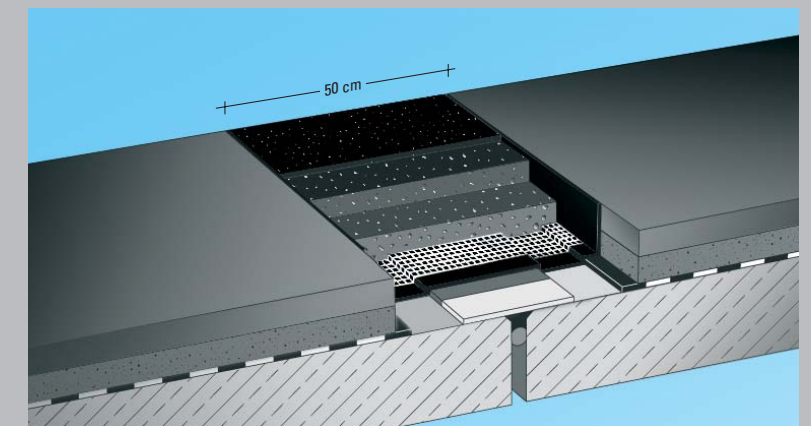
Construction end joints in hot rolled asphalts:

Porous road surfaces with a void volume higher than 6 % must not directly come into contact with a Nafutekt joint. The insertion of a 1 m wide mastic asphalt strip on both sides of the joint is necessary.



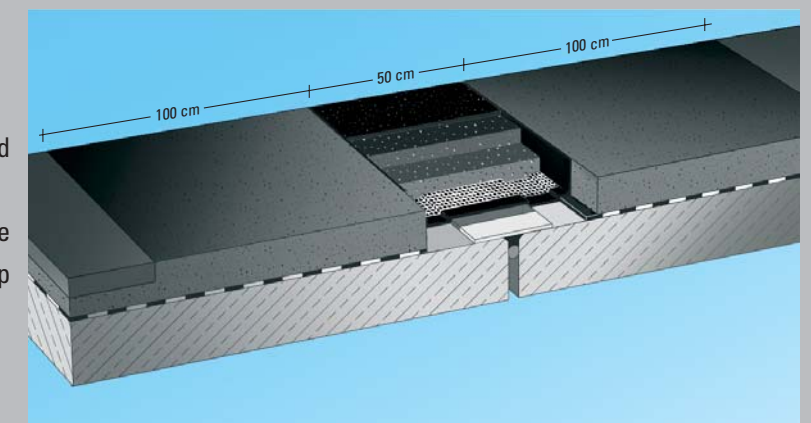
Construction joints for mastic asphalt surfaces:

Nafutekt joints on multi segment bridges with a waterproof surface.



Construction joint for hot rolled asphalt:

Nafutekt on multi segment bridges with porous road surfaces. Surfaces with a void volume higher than 6 % must not directly come into contact with a Nafutekt joint. The insertion of a 1 m wide mastic asphalt strip on both sides of the joint is necessary.





Nafutekt Plus for every application

The application of Nafutekt Plus is handled exclusively by licensed expert contractors. Our contractors are well established in the field of bitumen and mastic asphalt applications. The Nafutekt system, applied by licensed contractors, guarantees a high quality and durable joint. For the location and contact details of our applicators, please call us on: +49 (0)2041 101-140

