

FLEXIBLE PLUG JOINT RESA-JOINT® BITUMEN



**MADE
FROM
MODIFIED
POLYMER
BITUMEN**

**FOR USE IN BRIDGE AND
BUILDING CONSTRUCTION**



RESA-JOINT® BITUMEN ROAD- AND DILATATION JOINTS

When it comes to creating road transitions that generate as little noise as possible when rolling over them, the true art of road construction is revealed. The physically induced movements place particularly high-quality demands on the transition structure and the building.

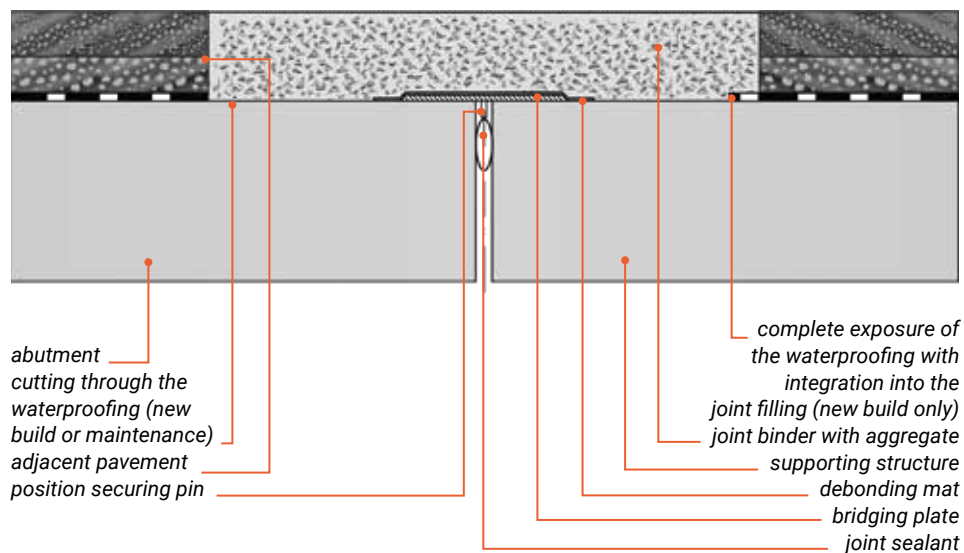
APPLICATIONS

The RESA-JOINT® Bitumen system is used with great success for dilatations in bridge- and building construction that have to absorb movements of up to 37.5 mm at right angles and at an angle to the direction of travel. Also for special solutions, e.g.

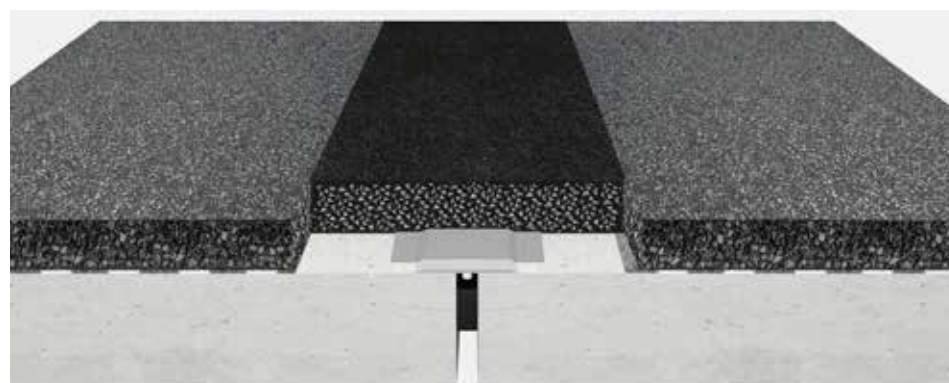
- combined longitudinal and transverse joints, or with
- connections to walls and borders

the jointless system RESA-JOINT® Bitumen is the ideal elastic link between dilating building structures.

structure of
the transition
RESA-JOINT® Bitumen



standard version
without distribution
design for movements
up to 37.5 mm



TECHNOLOGY

The jointless RESA-JOINT® Bitumen system made from highly modified polymer bitumen is characterised by its low-noise and maintenance-friendly road surface.

REQUIREMENTS

The RESA-JOINT® bitumen system features a **European Technical Assessment** (ETA). Installation is carried out by trained staff in clearly defined work steps.

YOUR ADVANTAGES

- particularly quiet over the entire service life
- long service life
- continuous pavement installation
- length-independent installation
- installation lane by lane possible
- short traffic interruption
- simple renewing of the wearing surface
- adapts to subsequent rutting in the surface over its service life



preparation of the joint recess

- sondages, for exact limitation of the joint width and the pavement thickness, on both sides of the plug joint
- marking the joint trough width



cutting the pavement

- Cutting is carried out by using dry cutting method.



breakout of the pavement strip

- The excavation is carried out using an electric- or air hammer.
- A suitable compressor must be used for pressurisation.



cleaning the plug joint recess

- cleaning the recess and connecting surfaces by sandblasting
- degree of cleaning for steel Sa 2.5 (i.e. bright)



installation of the joint structure

- laying the joint sealant
- laying the bridging plate with position securing pin
- laying the debonding mat



casting the joint

- casting of the modified bituminous compound in layers
- scattering of the surface with pre-coated grit



finished flexible plug joint

- jointless road expansion system RESA-JOINT® Bitumen



Versions	Installation width	Strength	* Movement capacity
RESA-JOINT® BITUMEN	500 mm	80-120 mm	≤ 37.5 mm (+25/-12.5)

* calculation according to EUROCODE guidelines

CONVINCING SOLUTIONS FOR IMPROVEMENT OF TRAFFIC AREAS

solution-orientated
competent
flexible



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