

EXPANSION JOINTS SILENT-JOINT^{RESA}® BITUMEN



**QUIET AND
DURABLE**

A graphic element in the bottom left corner showing a stylized road with white and orange lines receding into the distance.

**FOR ROAD AND
BRIDGE TRANSITIONS**

SILENT-JOINT^{RESA}® BITUMEN

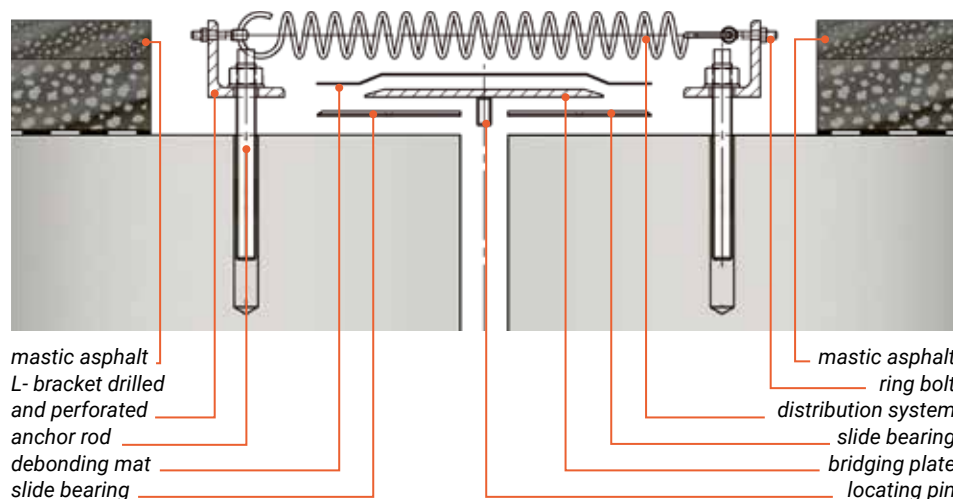
NEW CONSTRUCTION AND REPLACEMENT OF EXPANSION JOINTS

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.

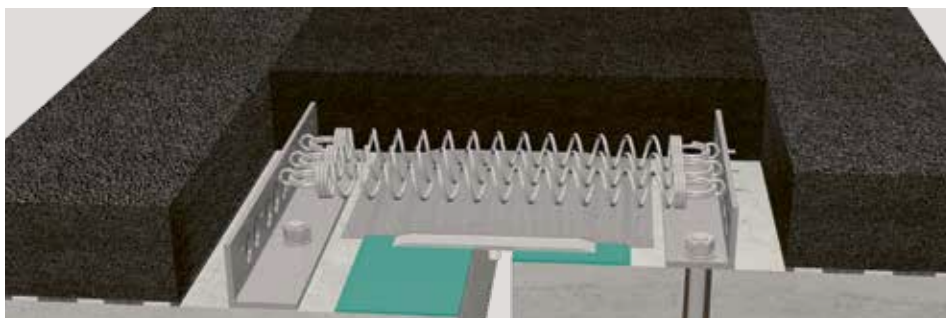
APPLICATIONS

SILENT-JOINT^{RESA}® has been used with great success in road construction and civil engineering for low-noise pavement expansion joints that have to absorb movements of up to 100 mm at right angles and at an angle to the direction of travel. SILENT-JOINT^{RESA}® is the ideal elastic link between the abutment and bridge deck for low-noise bridge transitions.

standard version
with distribution
construction for
movements up
to 100 mm



structure of the
SILENT-JOINT® Bitu-
men



TECHNOLOGY

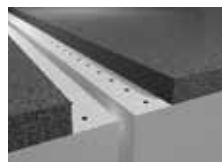
- polymer-modified bitumen
- special hard stone chippings in cubic form within a clearly defined grading curve
- special design to absorb the movement in the joint body

INSTALLATION

The SILENT-JOINT^{RESA}® system has been used successfully for several decades. Installation is carried out in clearly defined work steps and in suitable weather conditions only. SILENT-JOINT^{RESA}® is installed in accordance with the guidelines of road construction. The SILENT-JOINT^{RESA}® system features a **European Technical Assessment** and **CE marking**.

YOUR ADVANTAGES

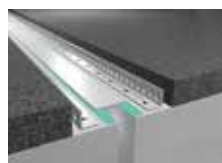
- lowest noise emission
- maximum drive-over comfort
- long service life and resistance
- short traffic closures
- length-independent application
- seamless integration into the road surface
- simple reconstruction when re-surfacing the top layer



The joint recess is carefully roughed out or recessed in the concrete.



installation of the L-brackets



installation of the slide bearings and bridging plate



laying the debonding mat and lining of the joint construction



installation of the coil spring distribution system



casting of the bituminous compound in layers



The joint blends seamlessly into the road surface.



The continuous training of our employees ensures professional processing. Reports comprehensively document our services as part of quality management in accordance with ISO 9001.

Versions	Installation width	Strength	* Movement capacity
SILENT-JOINT ^{RESA} 500S	500 mm	100–130 mm	50 mm
SILENT-JOINT ^{RESA} 700S	700 mm	120–140 mm	70 mm
SILENT-JOINT ^{RESA} 900S	900 mm	140–170 mm	90 mm
SILENT-JOINT ^{RESA} 1000S	1000 mm	140–170 mm	100 mm

* calculation according to EUROCODE guidelines

CONVINCING SOLUTIONS FOR IMPROVEMENT OF TRAFFIC AREAS

solution-orientated
competent
flexible



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