

FLEXIBLE EXPANSION JOINT SILENT-JOINT^{RESA} FLEX[®]



**QUIET AND
DURABLE**



FOR USE IN BRIDGE CONSTRUCTION

SILENT-JOINT^{RESA} FLEX[®]

FOR THE APPLICATION IN BRIDGE CONSTRUCTION

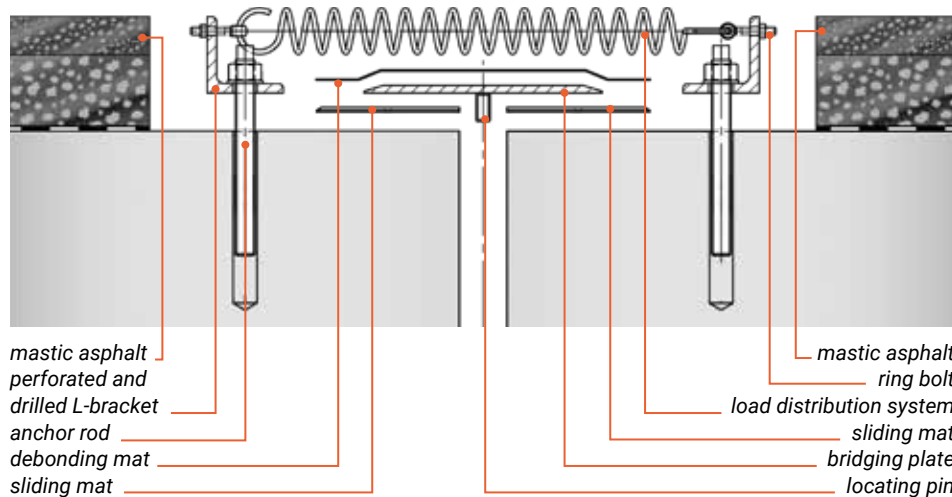
When it comes to creating road transitions that generate as little noise as possible when rolling over them, the true art of road construction is revealed. The physically induced movements place particularly high-quality demands on the transition structure and the building.

APPLICATIONS

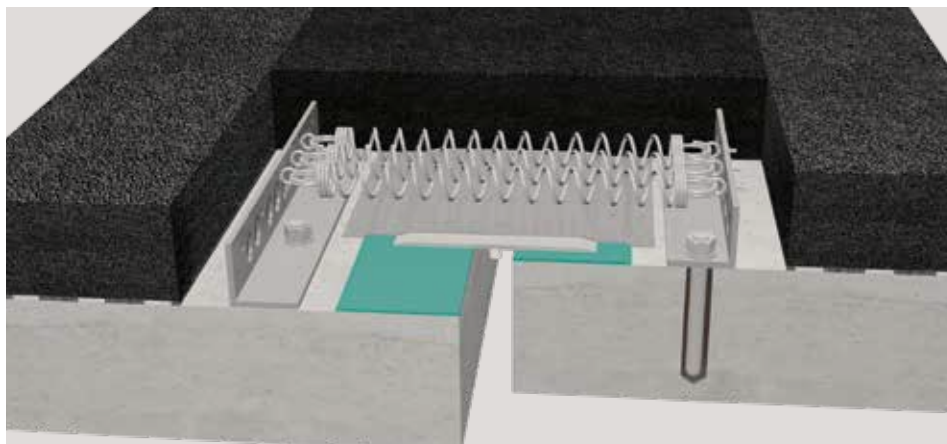
SILENT-JOINT^{RESA} FLEX[®] has been used with great success in infrastructure construction for low-noise pavement expansion joints that have to absorb movements of up to 70 mm at right angles or at skew to the direction of travel.

SILENT-JOINT^{RESA} FLEX[®] is the ideal flexible connection between the abutment and bridge deck.

standard version
with load distribution
design for movements
of up to 70 mm



structure of the
SILENT-JOINT^{RESA} FLEX[®]
expansion joint



TECHNOLOGY

- The seamless SILENT-JOINT^{RESA} FLEX[®] system made of high-performance polymer (HLP) is characterised by its high stability and tear resistance.
- Load distribution design for absorbing the movement in the joint body.

REQUIREMENTS

The SILENT-JOINT^{RESA} FLEX[®] system features a **European Technical Assessment (ETA)**. Installation is carried out by trained personnel in clearly defined work process.

YOUR ADVANTAGES

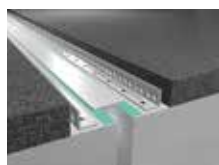
- jointless system
- low traffic noise emissions
- maximum drive-over comfort
- no rutting
- long service life
- short installation time
- minimal traffic restriction
- installation in stages possible
- length-independent application
- cold installation, no dust, heat and smoke emissions



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



installation of the L-brackets



installation of the sliding mats and bridging plate



installation of the debonding strip



assembly of the load distribution system



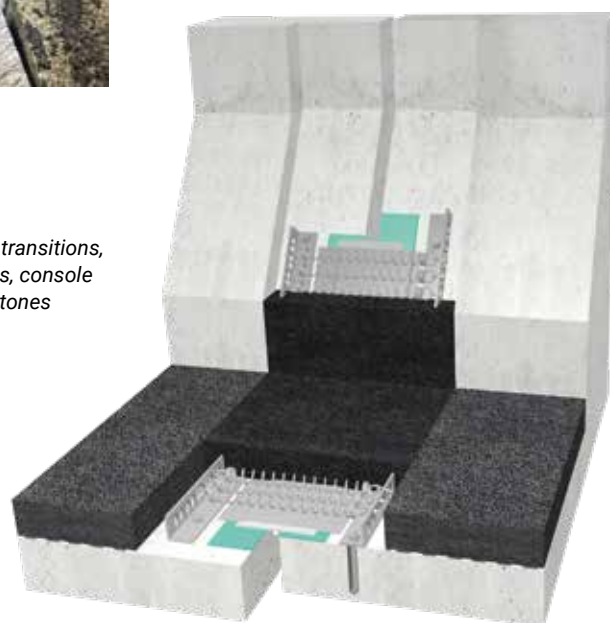
casting of the high-performance polymer (HLP)



seamless transition to the road surface



ideal for vertical transitions, traffic guide walls, console heads and kerbstones



Versions	Installation width	Strength	* Movement capacity
SILENT-JOINT ^{RESA} FLEX [®] 400	400 mm	70 mm	50 mm
SILENT-JOINT ^{RESA} FLEX [®] 600	600 mm	70 mm	70 mm

* calculation according to EUROCODE guidelines

CONVINCING SOLUTIONS FOR IMPROVEMENT OF TRAFFIC AREAS

solution-orientated
competent
flexible



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