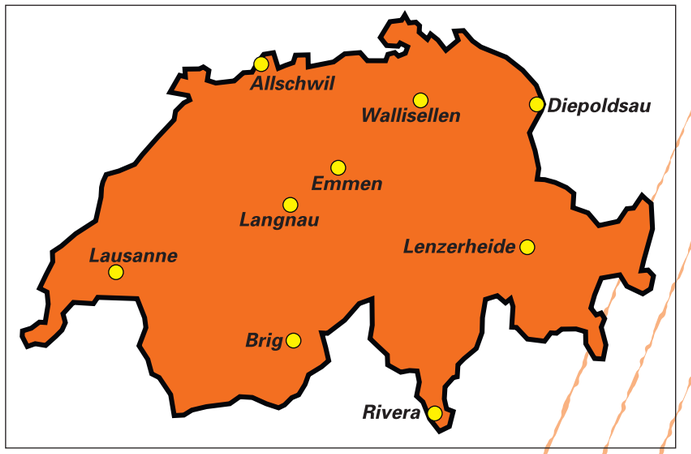
30 years of
experience & development

Customer-specific solutions with high technical quality for the functional improvement of traffic areas

The RSAG-network



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Successful system tests:
At BAM Berlin and EMPA Dübendorf

- *Movement absorption heat/cold/vibrations*
- *Rut formation (up to + 60 °C)*
- *Thousands of metres of practical experience*

SQS ISO 9001 certified — IQNet — Empa Materials Science and Technology — BAM Bundesanstalt für Materialforschung und -prüfung — BCT Bahn Consult TEN Bewertungsgesmbh

Expansion joints in a class of their own

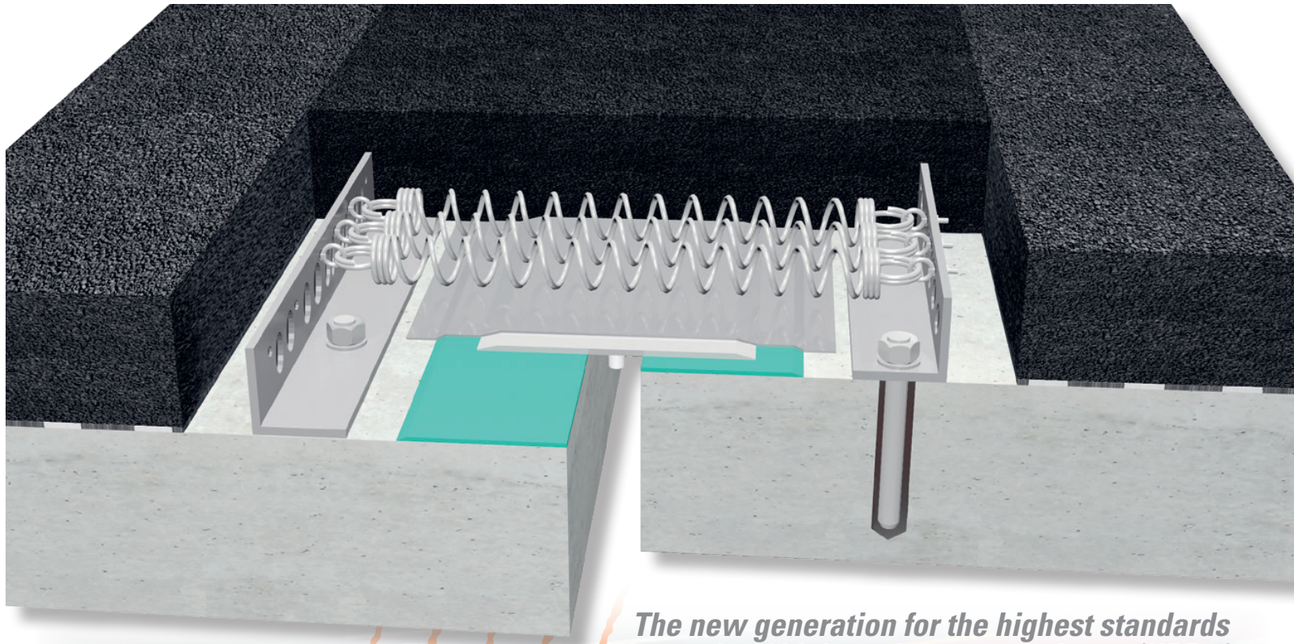
SILENT-JOINT^{RESA} FLEX® 2, *a further development of the* SILENT-JOINT^{RESA} FLEX® *system from RSAG.*

The new 2nd generation!

SILENT-JOINT^{RESA} FLEX® 2:
the fastest setting PU bridge-joint

- *Open to traffic after 3 hours of application!*
- *From a single source from planning to installation.*
- *30 years of Swiss innovation.*

SILENT-JOINT^{RESA} FLEX® 2



The new generation for the highest standards

The expansion joint made of high-performance polymer (HPP 2)

SQS ISO 9001 certified — IQNet

RSAG-network

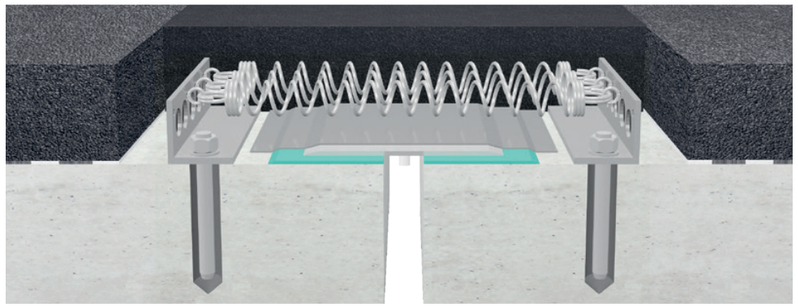
Highly efficient & knowledgeable

www.rsag-schweiz.ch

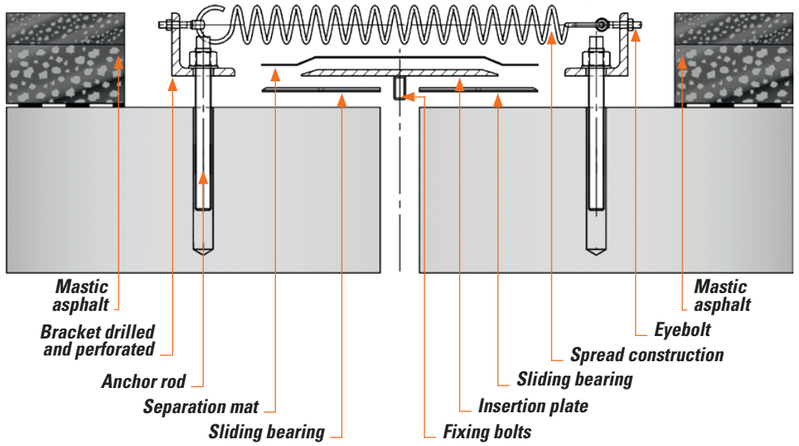
SILENT-JOINT^{RESA} FLEX® 2

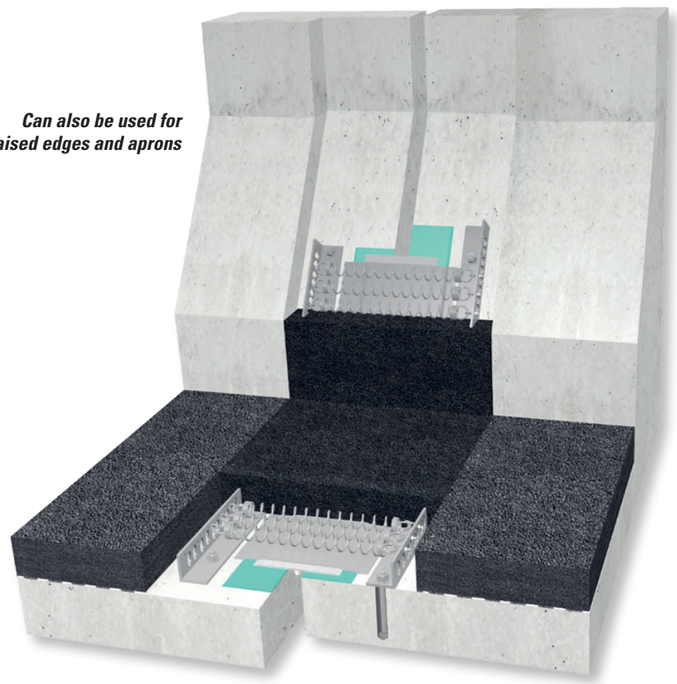
for use in bridge construction

SILENT-JOINT^{RESA} FLEX® 2
Versions (400, 600,) with a movement capacity of 50-70 mm



Construction of the **SILENT-JOINT^{RESA} FLEX® 2** *expansion joint*





Can also be used for raised edges and aprons

The true art of bridge construction is demonstrated in the creation of expansion joints which generate the lowest possible noise when driven over.
The physically induced movements place particularly high quality requirements on the expansion joint construction and the overall structure.

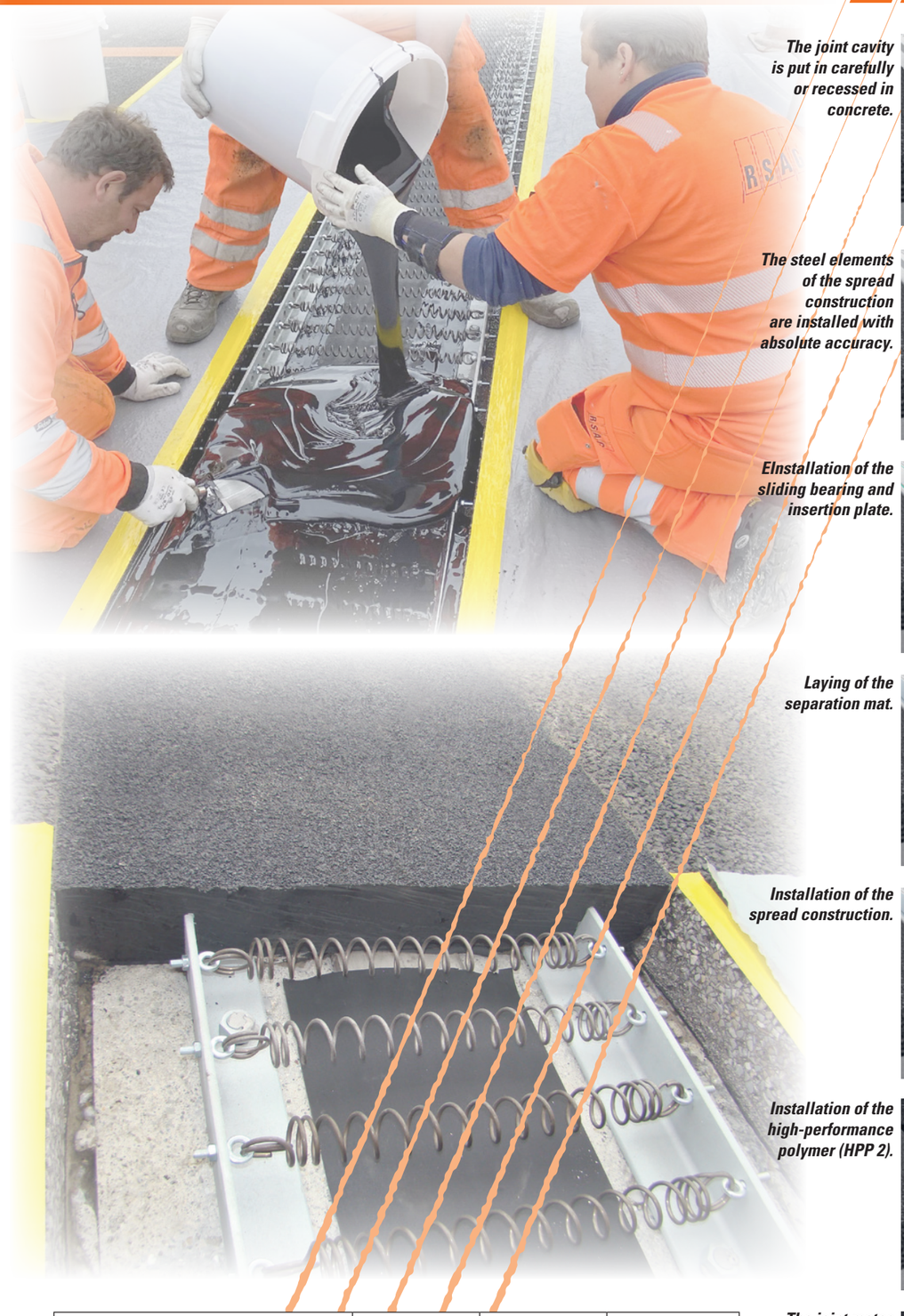
Applications:
For low noise road expansion joints which have to absorb movements of up to 70 mm at a right angle or oblique angle to the direction of travel, the **SILENT-JOINT^{RESA} FLEX® 2** *is used most successfully in road building and civil engineering. For low noise bridge expansion joints, the* **SILENT-JOINT^{RESA} FLEX® 2** *is the ideal flexible connection between the abutment and bridge plate.*

Engineering:
- *Spread construction for absorption and spread of movement in the joint body*
- *The seamless* **SILENT-JOINT^{RESA} FLEX® 2** *system from high-performance polymer (HPP 2) stands out because of the high level of stability and low restoring forces.*

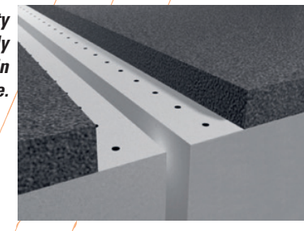
Requirements:
The system **SILENT-JOINT^{RESA} FLEX® 2** *has passed all relevant component and system tests according to EAD 120011-01-0107. Extensive tests were carried out by EMPA and BAM. The system has been tested for a 15 years working life category, the ETA (European Technical Assessment) process has already started. The installation shall be done by appropriate trained employees strictly according the manual.*

SILENT-JOINT^{RESA} FLEX® 2
the new generation
- **Open to traffic after 3 hours of application!**

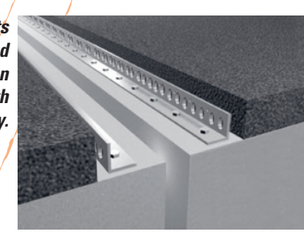
with the following advantages:
- *Cold application, no emergence of dust and smoke*
- *Low restoring forces*
- *Short installation time*
- *Seamless system, low noise and high level of comfort when driving over*
- *Length independent application*
- *Maintenance free*
- *Also suitable for structures with higher levels of vibration*
- *Long service life and high level of resilience*
- *Safety aspects, high level of working safety*



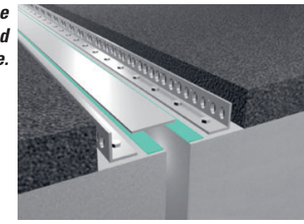
The joint cavity is put in carefully or recessed in concrete.



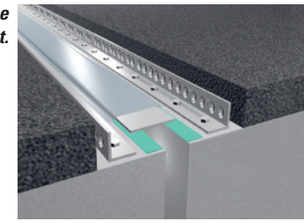
The steel elements of the spread construction are installed with absolute accuracy.



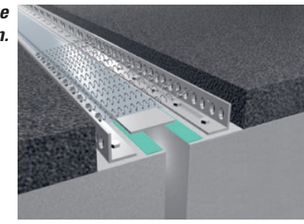
EInstallation of the sliding bearing and insertion plate.



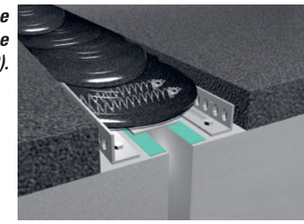
Laying of the separation mat.



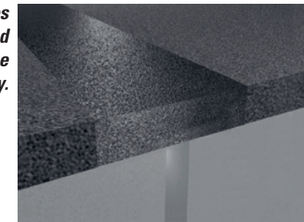
Installation of the spread construction.



Installation of the high-performance polymer (HPP 2).



The joint mates with the road surface seamlessly.



Versions:	Installation width mm	Thickness mm	*Movement capacity mm
SILENT-JOINT^{RESA} FLEX® 2 400	400	70	50
SILENT-JOINT^{RESA} FLEX® 2 600	600	70	70

***Calculation according to guideline ASTRA 12 004 (2011, chapter 2)**