



### SD HIGHWAY JOINT STABILIZER SD5, SD6, SD7 A Final Fix for Problem Joints in Highway Concrete Pavements

#### PRODUCT DESCRIPTION

The SD Joint Stabilizer is a fast, cost-effective fix for loose and rocking joints or cracks in concrete highway slabs. You eliminate damaging deflection and restore smooth, positive load transfer at all joints and cracks - permanently. The patented SD Joint Stabilizers feature an internal mechanism that expands and contracts with the concrete, maintaining extreme positive pressure (8000 lbs [36kN]) on both slab sections that it makes contact with. Positive load transfer is re-established when SD Joint Stabilizers are installed, resulting in smooth, uninterrupted traffic flows and reduced noise. SD Joint Stabilizers come in 3 lengths, all 3 inches in diameter: SD5 (5 inch), SD6 (6 inch), and SD7 (7 inch).

#### ADVANTAGES

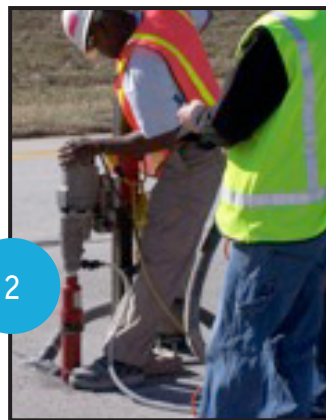
- Restores positive load transfer
- Installs quickly with very little downtime
- Reduces maintenance and traffic management costs
- Joint deflection can be verified by measurement before and after installation
- A cleaner, faster alternative to pressure grouting and dowel bar replacement
- Can be installed at temperatures as low as -26°C

#### INSTALLATION PROCESS



1

Locate position of underlying reinforcement/dowels



2

Core slab 3" diameter



3

Remove core and clean up area



4

Install Joint Stabilizers



5

Caulk with Reactamine

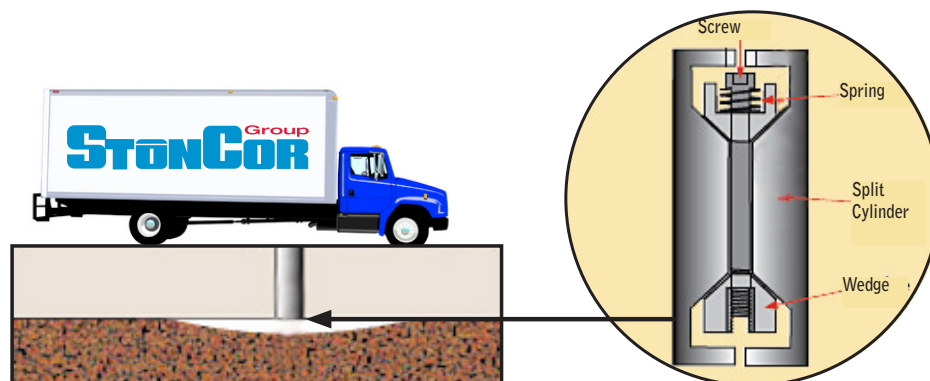


6

Confirm installation by measuring deflection

## INSTALLATION PROCEDURES

- For efficient installation ensure any underlying dowel bars and reinforcement are mapped, set the spacing of the SD Joint Stabilizers accordingly
- Core in the desired locations with 3 inch diameter diamond tipped core bit (do not use the metric "equivalent")
- Remove core and clean up the hole
- Apply Five Star HP Anchor Gel to the mating facing of the SD Joint Stabilizers to be installed and slide into the cored hole
- Align the SD Joint Stabilizer ensuring the split in the case runs in the direction of the joint
- Torque the SD Joint Stabilizer to 85 lb/ft
- Apply a bead of reactamine FC caulking into the open split in the casing
- Wait 45 minutes and open to traffic



Results from site indicate that SD Highway Joint Stabilizers can improve the load transfer by as much as 95% from the date of installation. SD Highway Joint Stabilizers are suitable for use in highways subjected to plowing traffic and are not susceptible to attack by deicing salts and solutions. SD Highway Joint Stabilizers have been shown to work over a wide thermal range. Please contact StonCor for additional data and long-term testing information if required.

This data sheet should be read in conjunction with Five Star HP Anchor Gel and Carboline Reactamine data sheets, which comprise the complete system.

Important: StonCor believes the information contained here to be true and accurate as of the date of publication. StonCor makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time without prior notice.

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