

# Technical Data Sheet



Willamette Valley Company

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Partnering through service,  
innovation, and integrity



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# SPIKEFAST® SRP-210

## Concrete Shoulder Repair Product

### DESCRIPTION

SPIKEFAST® SRP-210 is specifically designed to fill worn metal shoulders and extend the service life of concrete railroad ties. SRP-210 is easy to apply and is cast between a metal shim and worn metal shoulder. Restoring the metal shoulder with SRP-210 is an effective method to maintain proper rail gauge, while minimizing tie maintenance time and tie replacement expenses.

### WHERE TO USE

- **Concrete ties**—repair worn metal shoulders
- **Sealing surfaces**—fill cracks and voids
- **Between shim and shoulder**—adheres to shim

### FEATURES AND BENEFITS

- **Quick Cure Times**—high production rates
- **Restore Original Geometry**—proper cant and gauge
- **Reduced Head Deflection**—greater longitudinal rail restraint
- **Lower Maintenance Cost**—extends tie service life

### PACKAGING

Cartridge (450 ml)

### COLOR

Blue

### YIELD

50-60 Rail Shoulders per cartridge.

### SHELF LIFE

12 months for cartridges when properly stored.

### STORAGE

Store in original container and sealed until ready for use. Reseal used containers and store in an upright position.

## TECHNICAL INFORMATION

### Typical Properties

<b>VOC</b> , lbs/gal (g/L), ASTM D 2369	0
<b>Viscosity</b> , cps, ASTM D 4878, 77°F (25°C), Resin / Iso	1500 / 200
<b>Hardness</b> , Shore D, ASTM D 2240	75
<b>Set time</b> , sec, 77°F (25°C)	60 (Temperature dependent)
<b>Service temperature</b> , ° F (° C)	-40 to 180 (-40 to 82)

### Processing Parameters

<b>Ratio by volume</b> , Resin to Iso	2 to 1
<b>Meter equipment</b>	Manual, Cordless, Pneumatic Hand Held Applicator
<b>Static mixer</b>	13-24
<b>Application temp.</b> , °F (°C)	35 to 110 (2 to 43)
<b>Recommended application volume</b> , in <sup>3</sup> (cm <sup>3</sup> )	0.40 in <sup>3</sup> (6.55 cm <sup>3</sup> )

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## APPLICATION

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SPIKEFAST® is supplied in a ready-to-use form that requires proper mixing and dispensing. Care should be taken that SPIKEFAST® is stored properly, does not become contaminated with foreign matter, and is applied according to WVCO recommendations.

### CARTRIDGE DISPENSED

#### PROCESSING

1. For colder conditions it is recommended to put the product in a warm area at approximately 70°F (21°C) for 24 hours before using. This will enhance the flow and cure time.
2. Use a 13 mm diameter with 24 element static mix tube.

#### CARTRIDGE APPLICATION

1. Use a 2:1 (resin:iso) hand applied dispenser and ensure that the dispenser is the proper size and type. Manual, cordless, and pneumatic applicator guns are approved. Pneumatic and cordless applicators provide the most consistent results.
2. Keep the cartridge upright during assembly.
3. Remove the retaining nut and caps from the cartridge.
4. Place mix-tube on cartridge nozzle and hand tighten the retaining nut over the mix-tube.
5. Check alignment of plungers inside cartridge; level if necessary.
6. Keep cartridge upright and load into applicator gun.

7. While pointing cartridge upright, trigger handle to remove any air trapped in cartridges.
8. Point cartridge over waste container and dispense initial amount of material (20-40mL).
9. Apply material to shim, shoulder, or other area as necessary. Avoid applying excess material.
10. Replace insulator and allow material to cure.
11. Construct rail assembly once material is completely solid.
12. Material may solidify in the mix-tube if application stops for more than 20-30-seconds. Remove spent mix-tube and replace with new tube to finish cartridge.

Contact a Willamette Valley Company Representative for more information on product and equipment instructions, recommendations, and full-service warranty.

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## HEALTH AND SAFETY

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Before handling, you should become familiar with the Material Safety Data Sheet (MSDS) regarding the risks and safe use of this product. To obtain an MSDS please call 800 333 9826 or send an email to: [msds@wilvaco.com](mailto:msds@wilvaco.com).

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PROPER APPLICATION IS THE RESPONSIBILITY OF THE USER. AS WITH ANY PRODUCT THE USE OF THIS PRODUCT IN A GIVEN APPLICATION MUST BE TESTED (INCLUDING BUT NOT LIMITED TO FIELD TESTING) IN ADVANCE BY THE USER TO DETERMINE SUITABILITY. TESTING IS THE REQUIREMENT OF BOTH ENGINEERS AND CONTRACTORS ALIKE. WVCO DOES NOT WARRANT THE APPLICATION UNDER ANY OR ALL CIRCUMSTANCES.



**REMISA AREMA**

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