

Technical Data Sheet



Willamette Valley Company
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Partnering through service,
innovation, and integrity



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CTR-100

Concrete Railseat Repair Material

DESCRIPTION

CTR-100 is specifically designed to remediate railseats on concrete ties. This durable, 100% solid polyurethane is specifically designed to adhere, seal, and extend the service life of a railseat. CTR-100 is dispensed from equipment specifically engineered for efficient metering/mixing, pressure and temperature control, and operation under wide range of outdoor conditions.

WHERE TO USE

- **Concrete railseats**—repair worn and abraded railseats
- **Sealing concrete surfaces**—fill cracks and defects
- **Beneath tie pad**—adhere pad to railseat

FEATURES AND BENEFITS

- **Quick Cure Times**—high production rates
- **Restore Original Geometry**—proper cant and gauge
- **Reduced Head Deflection**—greater longitudinal rail restraint
- **Third-Party Cycle Tested**—passed over 3 Million cycles

PACKAGING

200 gallons (758 L), 50 gallons (190 L)
5 gallons (19 L), 15 oz. Cartridge (450 ml)

COLOR

Dark
Orange

YIELD

38 Rail Seats (45 in² x 0.125 in.) per gallon.
10 Rail Seats (290 cm² x 0.32 cm) per liter.

SHELF LIFE

3 months 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

VOC , lbs/gal (g/L), ASTM D 2369	0
Viscosity , cps, ASTM D 4878, 77°F (25°C), Iso / Resin	200 / 3300
Hardness , Shore D, ASTM D 2240	80
Set time , sec, 77°F (25°C)	60 / 120—Cartridges (Temperature dependent)
Service temperature , ° F (° C)	-40 to 212 (-40 to 100)

Processing Parameters

Ratio by volume , Resin to Iso	2 to 1
Meter equipment	Plural component
Static mixer	13-32
Equipment pressure , psi (MPa)	400 - 600 (2.3 - 4.1)
Equipment temperature , ° F (° C)	70 to 125 (21 to 52)
Recommended application volume , in ³ (cm ³)	5.6 in ³ (93 cm ³)

APPLICATION

Use Willamette Valley Company's metering equipment which is specifically engineered for processing CTR-100 to generate the proper mix ratio, pressure, and temperature.

CTR-100 is supplied in a ready-to-use form that requires proper mixing and dispensing. Care should be taken that CTR-100 is stored properly, does not become contaminated with foreign matter, and is applied according to WVCO recommendations.

Proper application is the responsibility of the user. Field visits by WVCO Representatives are for the purpose of making technical recommendations and equipment service only, and not for supervising or providing quality control.

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

HEALTH AND SAFETY

First Aid

- Refer to Material Safety Data Sheet (MSDS) for further information.
- For emergencies, call INFOTRAC 1-800-535-5053
- In case of eye or skin contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove any contaminated clothing and shoes. Get medical attention immediately.

- In case material is released or spilled, stop leak or dike spilled material if without risk. Avoid contact with skin and clothing. Do not breathe vapor or mist. Use absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. Refer to MSDS for more details. Comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements for disposal of material.

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REMSA AREMA

DISCLAIMER OF WARRANTY

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