



## PRODUCT DESCRIPTION

**CRACK-RITE™ PL200** is a single component, economical hot-pour crack & joint sealing compound. It is comprised of asphaltic resins, synthetic polymeric rubber, granulated vulcanized rubber, plasticizers, stabilizers and a blend of organic and inorganic reinforcing fillers. When properly applied it forms a resilient and adhesive sealant for both portland cement and asphaltic pavements. **PL200** remains flexible at low temperatures while resisting tracking during the hot summer weather.

## PRODUCT USE

**CRACK-RITE™ PL200** is recommended as an economical parking lot maintenance sealant for portland cement and asphaltic pavements. It is designed to seal expansion and contraction joints, longitudinal and traverse cracks, joints between concrete and asphalt shoulders and random cracks.

PHYSICAL PROPERTIES	TEST RESULTS
Cone penetration @ 77° F (25°C)	30-45
Resilience @ 77°F (25°C)	50%
Bond @ 20°F 1" mandrel	pass
Flow	0 mm
Asphalt compatibility	pass
Recommended Pouring Temperature	380°F
Safe Heating Temperature	400° F
Viscosity @ 375°F	50 ps.
Softening point	200°F
Weight per Gallon	9.5 lbs.

## CRACK & JOINT PREPARATION

### *Existing Cracks and Joints*

Remove all existing sealant, dirt, sand, dust or other loose impediment from joint interfaces. Loosen and remove by plowing, cutting, blowing, wire brushing, sand blasting, applying high pressure water, heat-lancing or using a combination of all techniques.

The cracks/joints can be prepared utilizing one or more of the following tools or equipment:

- Hand tools (i.e., shovels, metal bars with chisel-shaped ends, stiff bristle brooms, wire brushes or scrapers).
- Heat-lance/TaFa Unit which operates @ 3000°F.
- Router - vertical spindle or rotary type.
- Oil-free compressed air, capable of furnishing (90 PSI) pressure at nozzle. The compressor shall be equipped with

traps that will maintain the compressed air free of oil and water.

- Sawing equipment.

All cracks and joints must be free of moisture and thoroughly cleaned prior to sealing.

## NEW CONSTRUCTION

Cracks and Joints must be clean and dry prior to sealing. Curing compound on joint interfaces must be removed by sandblasting. Dust, dirt and debris should be blown out of the joints with oil-free compressed air immediately prior to sealing operation.

## CRACK & JOINT CONFIGURATION

The ideal Crack & Joint Configuration is a 1:1 depth to width ratio.

## RE-SHAPING

All cracks 1/4" and wider shall be routed to a minimum width of 1/2" and minimum depth of a 1/2". Cracks over 1/2" in width do not require widening or reshaping.

## BACKER ROD

Cracks over 1" in depth and 3/4" or over in width shall be pre-filled with bituminous treated hemp or jute roving or a non-shrinking, non-absorbent material with a melting point higher than sealant temperature. Backer rod should be 25% wider than crack so that it does not slip down or float out of the crack after installation of sealant.

## MELTING EQUIPMENT

**CRACK-RITE™ PL200** joint sealant must be heated in an indirect fired, double-jacketed kettle or melter. The space between the inner and outer shell is to be filled with oil or other transfer medium having a flash point of not less than 600°F. The equipment should include positive temperature controls, automatic and continuous mechanical agitation, recirculation pumps and thermometers for continuous reading of temperature of both the sealant compound and the heat transfer medium. The sealant compound must remain within the range of temperatures specified and must be agitated continuously during the melting and pouring process.

