

## Crack / Joint Thermo-Sealant

### 1. PRODUCT NAME PLS™

### 2. MANUFACTURER

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- **Climatically Engineered:** Formulated for a firm set in warmer climates.
- **Tough & Pliable:** A no tracking formula for parking lots.
- **Sets Firm & Fast:** You can seal in 15 minutes or less.
- **No Bleed Through:** Ideal for crackfilling under sealcoating, slurry seals and overlays.
- **Optimum Texture:** Granular rubber improves sealcoat adhesion.
- **Proven Performance:** Many ASTM, AASHTO and Federal specs for crack sealants including ASTM D5078-90.

### 3. PRODUCT DESCRIPTION

PLS is a highly modified, single component, hot applied, rubber/asphalt joint and crack sealant. Furnished as a solid, it is an elastomeric sealant which is compatible with and bonds aggressively to dry and clean concrete or asphalt pavements.

#### Packaging:

Available in 35 lbs. cardboard boxes. One skid contains 70 boxes.

#### Color:

PLS is black.

#### Basic Uses:

PLS is specially formulated for sealing asphalt and portland cement concrete parking lot cracks.

#### Composition:

As shipped, PLS is composed of asphalt cement, plasticizers, polymers, resins, select oils and recycled rubber.

#### Limitations:

Do not overheat material. Do not apply to wet or dirty cracks. Not recommended for cracks over 1" wide. Do not store in direct sunlight or where temperature exceeds 120°F.

### 4. INSTALLATION

#### Preparatory Work:

Crack or joint must be properly prepared prior to installation of PLS by means of routing and/or the use of a hot compressed air jet to remove all

incompressibles and assure the sidewalls of crack are clean and dry.

#### Methods:

PLS can only be properly heated in a kettle with both agitation and temperature control. The range of safe heating temperature for the product is between 325-375°F. Material can be pumped or gravity fed into crack/joint. Care should be taken to minimize the amount of sealant left on the pavement surface.

#### Mix Design:

Blocks of PLS are formulated as a single component system. Do not add to or mix with any other material.

#### Application:

Install heated sealant directly into cracks/joints not to exceed a 4-inch wide band. Thickness should be controlled to not more than 1/8 inch above pavement surface. Finished sealed cracks and joints will be uniformly level. Refill to achieve a flush to 1/8 inch concave surface appearance. One pound of PLS will fill the following lineal feet:

Width	Depth			
	1/4"	1/2"	3/4"	1"
1/4"	32	16	12	8
1/2"	16	8	5.5	4.5
3/4"	12	5.5	4.5	3
1"	8	4.5	3	2

#### Precautions:

Extreme care must be taken with hot applied sealants. A long sleeved shirt, long pants, gloves and face protection must be worn. Severe burn hazard. Keep out of reach of children. Consult specific Neyra material safety data sheet before use.

### 5. MAINTENANCE

Remove from equipment and tools with heat. Clean hands with waterless hand cleaner.

### 6. TECHNICAL DATA

#### Applicable Standards:

PLS meets the performance standards of AASHTO M173 and ASTM D5078-90 when tested according to ASTM D5329, Standard Test Methods for Hot Applied Sealants.

#### Environmental Considerations:

PLS is considered non-hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure).

#### Performance Requirements:

Refer to chart on back.

### 7. TECHNICAL SERVICE

Material safety data sheets, product and application recommendations, as well as assistance with special situations and field service are available upon request.

## 8. WARRANTY

The above specifications on product usage are believed to be true and accurate. Neyra Industries, Inc. guarantees that all materials manufactured comply with quality standards as described in the product data sheets. Because the application, handling, weather, workmanship and equipment are beyond the control of this manufacturer, only the quality of the products as shipped is guaranteed. In no case will the liability of Neyra Industries, Inc. exceed the purchase price of the shipped materials.

## 9. ADDITIONAL INFORMATION

Neyra Industries, Inc. manufactures a full line of asphalt pavement maintenance and recreational surface products as well as application equipment sold and distributed nationally at our plants and through distributors and contractors. To find the supplier most convenient to you, please contact us.

## PERFORMANCE REQUIREMENTS

<i>Properties</i>	<i>Typical Results</i>	<i>Spec Limits ASTM D5078-90</i>	<i>Test Methods</i>
Penetration, dmm	35	70 Max.	ASTM D5329
Penetration, dmm @ 0 °F	20		
Resilience	52	30 Min.	ASTM D5329
Flow, cm	0.15		ASTM D5329
Softening Point, °F	198	150 Min.	ASTM D36
Tensile Adhesion, %	450+		ASTM D5329
Asphalt Compatibility	Pass		ASTM D5329
Flexibility @30°F	Pass		
Viscosity, cps @380 °F	400		
Recommended Pouring Temp	380 °F		Neyra Industries
Maximum Safe Heating Temp	400 °F		Neyra Industries
VOC Content	0 g/L		

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