

Crack / Joint Thermo-Sealant

1. PRODUCT NAME PLS™

2. MANUFACTURER

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- **Resilient:** Formulated to perform under the expansion and contraction conditions of moderate 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.
- **Proven Performance:** Meets and exceeds the standards of 6690 Type 1 or AASHTO M324 Type 1, and FAA Spec P-605.

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 or 2450 lbs per skid.

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, recycled tire rubber, petroleum derived oils, and quality filler materials.

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" wide band. Thickness should be controlled to not more than 1/8" above pavement surface. Finished sealed cracks and joints will be uniformly level. Refill to achieve a flush to 1/8" 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 following performance standards: FAA Specification P-605 of AC150/5370-10 Standards, D6690 Type 1, and AASHTO M324 Type 1 (formerly AASHTO M173)

Environmental Considerations:

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

Performance Requirements:

Refer to chart.

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>Test Name</i>	<i>Specification Limits</i>	<i>Typical Results</i>	<i>Method</i>
Cone Penetration @ 77°F (25°C)	X < 90 [0.1mm]	15-25	ASTM D5329
Flow @ 140°F (60°C)	X < 5.0mm	0-3mm	ASTM D5329
Resilience, %	X > 30%	40-50%	ASTM D5339
Bond, non-immersed	D6690 - Type 1	Pass	ASTM D5339
Asphalt Compatibility	Pass	Pass	ASTM D5339
Softening Point (Glycerin)	X > 185°F (85°C)	190-212°F (88-100°C)	ASTM D36
Viscosity @ 400F	1,500-10,000cp	2,000-5,000cp	Neyra Industries, Adaptation of D3236

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