

1. PRODUCT NAME**Spec+Plus™****2. MANUFACTURER**

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- **Pure Performance:** Longest lasting crack and joint sealant for parking lots and roads.
- **Resilient:** Formulated to perform under the extreme expansion and contraction conditions of moderate and cold climates.
- **Sets Firm and Fast:** Provides an excellent and durable bond.
- **Proven Performance:** Meets and exceeds the standards of D6690 Type 2 (II) and AASHTO M324 Type 2 (II), Corp of Engineers CRD-C530, and FAA Spec P-605.

3. PRODUCT DESCRIPTION

Spec+Plus 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 clean and dry concrete or asphalt pavements.

Packaging:

Available in 30 lbs cardboard boxes. One skid contains 70 boxes or 2100 lbs per skid.

Color:

Spec+Plus is black.

Basic Uses:

Spec+Plus is specially formulated for sealing asphalt and concrete parking lot cracks.

Composition:

As shipped, Spec+Plus, contains no fillers and is composed entirely of performance graded asphalt, rubber, and premium additives.

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 Spec+Plus 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:

Spec+Plus should be heated in a vessel designed for heating hot pour crack sealants. Some means of agitation and monitoring of temperature are recommended. The range of safe heating temperature for the product is between 325-375°F. At no time should this product be heated to 425°F. This can degrade the polymers in Spec+Plus and create a fire hazard. A direct fire melter can be used if these precautions are met. It also is suitable for use in an oil-jacketed double boiler. Because Spec+Plus contains no fillers, it is an excellent product for use through pumping type kettles.

Mix Design:

Blocks of Spec+Plus 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 lb. of Spec+Plus 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:**

Spec+Plus meets the following performance standards: FAA Specification P-605 of AC150/5370-10 Standards, D6690 Type 1 and II, AASHTO M324 Type 1 and II, and Corp of Engineers CRD - C530.

Environmental Considerations:

Spec+Plus 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]	20-40	ASTM D5329
Flow @ 140°F (60°C)	X < 3.0mm	0-2mm	ASTM D5329
Resilience, %	X ≥ 60%	60-64%	ASTM D5339
Bond, non-immersed	D6690 - Type II	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
Flexibility @ 0F (-18C)	Pass	Pass	1" Mandrel Neyra Industries

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