



PRODUCT DATA SHEET

PolyureaSeal 100

GENERIC TYPE:

Polyurea Seal 100 is a 100% solids, high elongation elastomer, VOC free, pure polyurea polymeric sealant, used in horizontal saw or preformed joints. This product is used on concrete or asphalt, saw cut and pre-formed joints subject to high volume traffic.

FEATURES:

- 100% solids
- Zero VOC's
- Highly elastomeric
- Meets USDA requirements for incidental food contact.

RECOMMENDED USAGE:

- Bridge & street joint sealer
- Asphalt/concrete transition joints
- Threshold repairs
- Fractured slab sealant
- Wire guidance sealant
- Electric door thresholds
- Warehouse floor repair
- Crack Filler

INDUSTRIAL APPLICATIONS:

- Parking Structures
- Chemical Plants
- Waste/Water Treatment
- New Construction
- Shipping and Transportation
- Poultry & Meat Plants
- Refrigerated Warehouses
- Food Processing
- Cold Storage

COLORS:

Polyurea Seal 100 is an aromatic polyurea, and, over time, color changes will occur. For long-term color stability, consult your local FlexKrete distributor.

PHYSICAL DATA:

Solids by Volume	100%
Solids by Weight	100%
Volatile Organic Compounds	0 lbs/gal.
Theoretical Coverage DFT	100 sq. ft @ 16 mils
Weight Per Gallon	8.55 lbs.
Mix Ratio	1A:1B
Viscosity (cps) @ 77° F	A: 530 approx. B: 450 approx.
Shelf Life @ 60-90°F	6 Mos.
Tensile Strength ASTM D 412	1400psi ± 50
Elongation	430%+
Hardness (Shore D)	30 ± 5%
Hardness (Shore A)	80 ± 5%
100% Modulus	290 (2.0 mpa)
300% Modulus	395 (2.7 mpa)
Tear Resistance	195 PLI (34KN/m)
Service Temperature	-60°F-180°F (-50°C-82°C)
Abrasion Resistance	H-22 Wheel—172 mg. Lost (1 kg @ 1000 revolutions)

CURING SCHEDULE:

Pot Life	2 Minutes
Tack Free	16 Seconds
Initial Cure	30-45 Minutes
Final Cure	3-4 Days

INSTALLATION:

All joints to receive Polyurea Seal 100 must be free of contamination. Some applications may require use of a primer prior to application of the sealant. Use plural component hand gun, or standard 1:1 ratio, plural component automatic equipment developing a minimum of 500 psi dynamic pressure is sufficient. These include SPI-Gusmer FF 18-6, SPI-Gusmer FF18-18 and SPIGusmer 25-25 HP with a static mix gun.

Due to very short pot life, all materials must be used immediately after mixing.