

PRODUCT BULLETIN

STAR ELASTO-BOND P.L. (Crack and Joint Sealant for Parking Lots)

Description: STAR Elasto-Bond P.L. is a specialty grade, premium quality joint sealing compound. It is designed for use in oil-jacketed kettles with heat controls for both oil and sealant. It can also be used in bottom-fired kettles providing that is equipped with a mechanical agitator system

Elasto-Bond P.L. is relatively hard and has a high softening point, which makes it well suited for parking lots. **STAR ELASTO-BOND P.L. Crack and Joint sealant;**

**Low Penetration
Self-Leveling
Rapid Melting
Flexible to -10°F
Excellent Adhesion
Sets-Up Quickly
Resists Tracking**

Recommended Uses:

STAR Elasto-Bond P.L. is recommended for sealing cracks and joints in Portland cement, asphaltic pavements, and parking lots. It is designed to seal expansion and contraction joints, longitudinal and transverse cracks, joints between concrete and asphaltic shoulders, and random cracks.

Typical Properties:

| | |
|--|-----------------|
| Recommended Application Temp | 370 - 390°F |
| Maximum Heating Temp | 410°F |
| Maximum Heating Time | 12 Hrs. |
| Penetration (150 gr./5 sec) | 35 Max. |
| Resiliency | 60% Min. |
| Flow at 140°F | 3 mm Max. |
| Bond, -20°F/50% Ext | Passes 3 Cycles |
| 0°F/100% Ext | Passes 3 Cycles |
| Specific Gravity | 1.14 |
| Asphalt Compatibility | Compatible |

Packaging: Two (2), 30 lb. polybags in a box. 36 high strength corrugated boxes per pallet. .

Coverage

| Width | Depth | Pounds/100 Linear Feet |
|-------|-------|---------------------------|
| 3/8" | 3/8" | 6.9 |
| 3/8" | 1/2" | 9.3 |
| 1/2" | 1/2" | 12.3 |
| 1/2" | 1" | 24.7 |

| | | |
|------|------|------|
| 3/4" | 1/2" | 18.5 |
| 3/4" | 3/4" | 27.8 |

Joint Preparation:

Proper joint preparation facilitates adequate adhesion and consequently the maximum life of the sealant. The crack/joint must be free of moisture, dust, loose aggregate, and other contaminants. The surface and ambient temperatures must be 40°F or above. Sawing, routing, and/or sandblasting are the preferred methods of preparation. Use oil-free compressed air and heat to clean and dry the joint immediately prior to sealing. Cracks/joints should be sized so that the maximum extension and compression do not exceed 50% of the width. Best results are obtained when the cracks/joints are opened at least 1/2 inch wide.

Melting and Application:

STAR Elasto-Bond P.L. shall be melted in oil-jacketed kettles. Carefully insert small quantities of Elasto-Bond P.L. and the plastic bag into the melting equipment while the agitator is turned off. Load material slowly to avoid splash back. After the initial load has reached the recommended pouring temperature, fresh material may be added to the melter as sealant is used. Melt only the material that will be used during that day. Purge material remaining in the melting kettle lines at the end of each sealing operation. The material may be safely reheated as required and can be applied using a pressure feed want system or pour pot.

