

PRODUCT BULLETIN

STAR ELASTO-BOND H.S. (Crack and Joint Sealant)

STAR ELASTO-BOND H.S Crack and Joint Sealant for Direct Fired Kettles;

Heat Stabilized Formula for Direct Fired Kettle

- Low Penetration
- Self-Leveling
- Rapid Melting
- Flexible to 0°F
- Resists Tracking

Recommended Uses:

STAR Elasto-Bond H.S. 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 350 - 400°F
Maximum Heating Temp 450°F
Flexibility 0°F/1" Mandrel Pass
Penetration (150 gr/5 sec.) 50 Max.
Softening Point 200°F Min.
Resiliency 60% Min.
Specific Gravity 1.02
Asphalt Compatibility Compatible

Coverage

Width	Depth	Pounds/100 Linear Feet
3/8"	3/8"	6.2
3/8"	1/2"	8.3
1/2"	1/2"	11.1
1/2"	1"	22.2
3/4"	1/2"	16.6
3/4"	3/4"	25.0

Packaging:

STAR Elasto-Bond H.S. is packaged in 2-25 lb. poly-bags in a 50-lb. High strength corrugated box. Each Pallet contains 36 boxes or approximately 1,800 pounds of **STAR Elasto-Bond**.

Surface Preparation:

Proper surface preparation facilitates adequate adhesion and consequently the maximum life of the sealant. In order for proper adhesion, the crack/joint must be free of moisture, dust, loose aggregate, and other contaminants. The substrate and air 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 crack/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 H.S. may be melted in direct-fired or oil-jacketed kettles. The heat stabilization formula can withstand temperatures up to 450°F. Carefully insert small quantities of **STAR Elasto-Bond H.S.** 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 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 wand system or a pour pot.



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