

DURA-FILL H.S.

Crack and Joint Sealant for Direct Fired Kettles

Description: Dura-Fill H.S. is a specialty grade, premium quality crack and joint sealant, which is specifically formulated for direct-fired kettles. It is heat stabilized to withstand temperatures up to 450°F without experiencing degradation. Conventional sealants must be melted in oil jacketed heating kettles which have longer melting times and are more expensive than direct-fired kettles. Dura-Fill H.S. is relatively hard and has a high softening point, which makes it well suited for parking lots and driveways. It prolongs pavement life by sealing cracks and joints from water penetration.

Recommended Uses: Dura-Fill 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.

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: Dura-Fill 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 Dura-Fill 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.

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

Heat Stabilized Formula for Direct Fired Kettle

Low Penetration

Self-Leveling

Rapid Melting

Flexible to 0°F

Resists Tracking

Specifications

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Specifications

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

Dura-Fill 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 lbs. of Dura-Fill.

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