DURA-FILL® 3725

Crack and Joint Sealant for Extremely Cold

Description: Dura-Fill 3275 is a premium crack and joint sealant for portland cement and asphaltic pavements. As an economical and effective preventative maintenance treatment, Dura-Fill 3725 prolongs pavement life by sealing cracks and joints from water penetration, which cause base failure and pot holes. Dura-Fill 3725 is formulated with selected asphaltic resins, synthetic polymeric rubbers, plasticizers, stabilizers, and inorganic reinforcing fillers. It is a hot applied, one part material that provides excellent results in cold weather and throughout repeated freeze/thaw cycles. Dura-Fill 3725 offers high resiliency, ductility, and resistance to weathering.

Recommended Uses: Dura-Fill 3725 is recommended for sealing cracks and joints in portland cement and asphaltic pavements. 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 adhesion and consequently the maximum service life of the sealant. In order for proper adhesion, the crack/joint must be free of moisture, dust, loose aggregate, and other contaminates. 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 ½ inch wide.

Melting and Application: Melt Dura-Fill 3725 using a conventional **oil jacketed kettle** equipped with agitator and temperature control devices for both the material and heat transfer oil. Carefully insert small quantities of Dura-Fill 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 and can be applied using a pressure feed wand system or a pour pot.

Note: The temperature of the heat transfer oil should not exceed 525° F. Do not heat Dura-Fill above the maximum heating temperature and do not maintain it at that temperature for prolonged periods of time. This could cause the material to gel in the equipment or fail in the joints. A significant viscosity increase accompanied by stringiness signals the approach of gelation. If this occurs, immediately remove the material from the melter and dispose of it.

For further details read and follow the Dura-Fill MSDS, Installation Instructions for Oil Jacketed Dura-Fill Products, and P&T Products' Warranty.

Product Specifications

when tested in accordance with ASTM D 5329, 36, modified 3111, & 4402.

Heating Temperature		400 F Max.
Application Temperature		350-380 F
Heating Time		12 Hours Max.
Penetration	77 F	100-150 dmm
Penetration	0 F	25 dmm Min.
Resiliency	77 F	30-60%
Flow	140 F	3 mm Max.
Bond	-20 F / 200 % Extension	3 Cycles Passed
Softening Point		176 F Min.
Crumb Rubber Content	By Weight of Asphaltic Components	0%
Viscosity	375 F	25 Poise Max.
Specific Gravity		1.14 Approximately
Flash Point		400 F Min.
Optimum Climate	Average Temperatures	-40 / 21 C Or -40 / 70 F

- **Rapid Heating**
- **Self Leveling**
- **Quick Set Up**
- **Excellent Adhesion**

Coverage

Width	Depth	Pounds/100 Linear Feet
3/8"	3/8"	7.0
3/8"	1/2"	9.3
1/2"	1/2"	12.4
1/2"	1"	24.7
3/4"	1/2"	18.5
3/4"	3/4"	27.8

Specifications

MN DOT 3725
State Modified
ASTM D 3405
ASTM D 6690 Type 4

Packaging

Dura-Fill is packaged in 2-25 lb. poly-bags in a 50 lb. high strength corrugated box. Each pallet contains 48 boxes or 2,400 pounds of Dura-Fill.

P&T Products, Inc.

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