DURA-FILL® Airport Adhesive

Adhesive for Engineered Materials Arresting System Blocks (EMAS)

Description: Dura-Fill Airport Adhesive is a blend of 75% PG 64-22 with 25% polymerized hot pour crack and joint sealant. Dura-Fill Airport Adhesive acts as a bonding agent or anchor devise between the overrun surface of an airport runway and the emergency arresting concrete blocks.

Recommended Uses: Dura-Fill Airport Adhesive is recommended for use in adhering the EMAS concrete blocks at airports. An Engineered Materials Arrestor System or Engineered Materials Arresting System (EMAS) is a bed of lightweight, crushable concrete built at the end of a runway. The purpose of an EMAS is to stop an aircraft overrun with no human injury and minimal aircraft damage. The aircraft is slowed by the loss of energy required to crush the concrete blocks.

Surface Preparation: Proper surface preparation facilitates adequate adhesion and consequently the maximum life of the adhesive. In order for proper adhesion, the surface must be free of moisture, dust, loose aggregate, and other contaminates. The substrate and air temperatures must be 40ºF or above. Use oil-free compressed air and heat to clean and dry the surface immediately prior to application.

Melting and Application: Melt Dura-Fill Airport Adhesive 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.

- **Heat Stabilized**
- **Excellent Adhesion**
- **Economical**
- **Rapid Setting**

Coverage

Approximately 1.75 to 2.0 gallons per block

Specifications

P&T Products' Specifications

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.

Product Specifications

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

Heating Temp		410 F Max.
Application Temp		275-350 F
Heating Time		12 Hours Max.
Penetration	77 F	40-70 dmm
Resiliency	77 F	3% Min.
Softening Point		130 F Min.
Viscosity	375 F	5 Poise Max.
Specific Gravity		1.05 Approximately
Flash Point		400 F Min.
Optimum Climate		ALL Climate Zones

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