



## Installation Instructions

### HOT APPLIED SEALANTS

NOVEMBER 2018

#### **EQUIPMENT & MELTING**

Use an agitated oil-jacketed melter that is thermostatically controlled for both the sealant and the heat transfer fluid. Take the 30 lb. plastic bag of sealant and load into the melter one at a time. Stop agitation when adding product to prevent splashing. Melt only enough material for the day's activities. Once melted; additional material may be added as needed. Material can be safely reheated within the sealants service life.

#### **SERVICE LIFE**

The service life (pot-life) at application temperatures is approximately 12 hours. Adding fresh material to the melter as sealant is being used will extend the service life. Material that has been overheated can thicken and gel in the melter. Any material that has exceeded the service life should be removed from the melter and discarded.

**NOTE: Prolonged heating of the sealant above the maximum safe heating temperature may cause it to gel in the kettle.**

#### **JOINT PREPARATIONS**

To facilitate proper adhesion, the joint or crack should be dry and clear of any dirt, dust or other contaminants by using oil-free compressed air or a heat lance at a minimum. Joints or random cracks of  $\frac{1}{4}$ " or less are difficult to properly clean and may require them to be saw cut or routed prior to applying the sealant. The use of wire brushes is not recommended.

#### **PAVEMENT TEMPERATURES**

It is best practice to apply product when the pavement and air temperatures are 40 °F and rising. You may successfully apply product at lower temperatures with the use of a heat lance if extreme care is taken in the application process. The joint must be free of moisture, ice and contaminants. The maximum recommended pour temperature needs to be used if applying at temperatures below 40 °F. If installing when temperatures are dropping, ensure that dew is not forming on the joint surface. It is recommended to apply a small section and have qualified personnel check to ensure adhesion is adequate before installing more product.

#### **ROUT CONFIGURATIONS**

Recommended rout configurations are 1" X 1", 1/2" X 1/2" & 3/4" X 3/4". Other configurations may be specified on a job by job basis. Sealant may be installed as flush fill, overband & underfill. When overbanding it is recommended that the sealant is not over 1/16" above the pavement surface. When underfilling it is recommended that the sealant is not more than 1/4" below the pavement surface. Use appropriate wand tips to successfully apply these configurations. Maximum width should be 1 1/2".

#### **EQUIPMENT CLEANING**

Follow equipment manufacturer's instructions for proper melter clean out. If solvents are used; make sure they are completely removed before operating equipment. Heating solvents is hazardous and combining them with joint sealant will reduce their effectiveness.

#### **PERSONAL PROTECTION AND HAZARDS**

When handling molten material it is recommended to have as little skin exposed as possible. Gloves, safety glasses, hats, long sleeves, pants and boots are recommended to prevent exposure from accidental spills and splashes. Please refer to MSDS. Molten material will cause burns if in contact with skin. After contact with hot molten liquid, do not attempt to remove congealed solid; cool area with water and get medical attention. Over exposure to its fumes may cause respiratory tract irritation, nausea or headaches. If respiratory symptoms develop, move victim away from exposure source and into fresh air.

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