



#3405 MODIFIED JOINT SEALANT

NO. JTS-004
REVISION: 001

DESCRIPTION

#3405 MODIFIED HOT APPLIED SEALANT is formulated with selected asphaltic resins, synthetic polymeric rubber, plasticizers, stabilizers, and a blend of organic reinforcing fillers.

This flexible material is a hot applied, one part sealant that provides excellent results under extremely varying conditions. #3405 MODIFIED is the perfect joint and crack sealant for large scale projects experiencing maximum joint movement in the coldest of temperatures.

- Superior bonding characteristics
- High resiliency and weather resistance
- Excellent results throughout freeze and thaw cycles

SPECIFICATIONS

- ASTM D-6690, Type IV
- ASTM D-3405 Modified

TYPICAL PROPERTIES

Recommended Pour Temperature	370 °F
Maximum Heating Temperature	390 °F
Resiliency	60 % min
Penetration at 77 °F	110 – 150
Penetration at 0 °F	40 min
Flow at 140 °F	3.0 mm max
Bond (-20 °F/200% Ext.)	Passes 3 cycles
Asphalt Compatibility	Compatible

USE AND APPLICATIONS

#3405 MODIFIED is recommended for sealing of joints and cracks in concrete and asphaltic pavements and parking lots. It is designed for use in sealing expansion and contraction joints as well as random cracks.

- Roadways
- Airport Runways

FEATURES AND BENEFITS

- Compound for concrete and asphaltic pavements
- Actually prolongs the pavement service life
- Seals cracks and joints from water penetration

EQUIPMENT

Use an agitated oil-jacketed unit that has separate temperature gauges for both the sealant and the heat transfer fluid. Take the 30 lb. plastic bag of sealant and load into the kettle one at a time. Melt only enough material for the day's activities. Once melted, additional material can be added as needed. Material can be safely reheated within the sealants service life.

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 contaminates. Substrate and ambient temperatures must be 40 °F or above. Proper sizing of the joint will cause the maximum extension/compression to not exceed 50% of the width. Joints or random cracks of ¼" or less are difficult to properly clean prior to applying the sealant.

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.

COVERAGE

Width	x	Depth	Pounds/100 lineal feet
3/8"	x	3/8"	6.9
3/8"	x	1/2"	9.3
1/2"	x	1/2"	12.3
1/2"	x	1"	24.7
3/4"	x	1/2"	18.6
3/4"	x	3/4"	27.8

PACKAGING

60# CARTON (2 SPLIT 30# CUBES)
36 CARTONS PER PALLET

30# NO BOX TRI-BLOCK UNIT
65 UNITS PER PALLET



Patent Pending



PRODUCT DATA SHEET