



ELASTO-BOND™

Parking Lot/Roadway Crack and Joint Sealant

Elasto-Bond 3405

Rapid melting, self leveling crack sealant that can be used in both oil jacked or direct fire kettles

Elasto-Bond H.S.

remains flexible to -10°F. XT-10 has excellent adhesion, sets-up quickly and resists tracking.

Elasto-Bond GTR Plus

Formulated with selected asphaltic resins, synthetic polymeric rubbers, plasticizers, stabilizers, and a blend of reinforcing fillers. GTR PLUS forms a long-lasting seal which resists tracking in warm temperatures and remains flexible in cold temperatures.



**Hot Pour Crack and Joint Sealants
for Asphalt Pavements and
Portland Cement.**



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STAR ELASTO-BOND™

Parking Lot/Roadway Crack and Joint Sealant

GENERAL DESCRIPTION

STAR® Elasto-Bond™ is a premium quality crack and joint sealant for portland cement and asphaltic pavements. As an economical and effective preventative maintenance treatment, STAR® Elasto-Bond™ prolongs pavement life by sealing cracks and joints from water penetration, which cause base failure and pot holes. STAR® Elasto-Bond™ is formulated with selected asphaltic resins, synthetic polymeric rubbers, plasticizers, stabilizers, and reinforcing fillers. It is a hot applied, one part material that provides excellent results in cold weather and throughout repeated freeze/thaw cycles. STAR® Elasto-Bond™ offers resistance to weathering and forms a long-lasting seal which resists tracking in warm temperatures and remains flexible in cold temperatures.

OUTSTANDING PROPERTIES

- Remains Flexible to -10°F (-23°C).
- Self Leveling.
- Sets Up Quickly.
- Specifications: ASTM-D1190, ASTM-D6690 Type I, AASHTO-M173, AASHTO-M324 Type I, Federal Spec. SS-S-1401.
- Rapid Melting.
- Excellent Adhesion.
- Resists Tracking.

RECOMMENDED USES

Use for sealing cracks and joints on highway, street, airfield, and parking lots. STAR® Elasto-Bond™ is relatively hard and has a high softening point, which makes it well suited for parking lots. It is designed to seal expansion and contraction joints, longitudinal and transverse cracks, joints between concrete and asphaltic shoulders, and random cracks.

STAR® ELASTO-BOND™ PACKAGING

Packaged in 2 - 30 lb. poly-bags per 60 lb. high strength corrugated box.
(2 - 13.6 Kg. poly-bags per 27.1 Kg. high strength corrugated box)

COVERAGE

Width	Depth	Pounds /100 Linear Ft.
3/8" (9.52mm)	3/8" (9.52mm)	6.9 Lbs. (3.13 Kg)
3/8" (9.52mm)	1/2" (12.7mm)	9.3 Lbs. (4.22 Kg)
1/2" (12.7mm)	1/2" (12.7mm)	12.3 Lbs. (5.58 Kg)
1/2" (12.7mm)	1" (25.4mm)	24.7 Lbs. (11.20 Kg)
3/4" (19.05mm)	1/2" (12.7mm)	18.5 Lbs. (8.39 Kg)
3/4" (19.05mm)	3/4" (19.05mm)	27.8 Lbs (12.61 Kg)

TYPICAL PROPERTIES

Recommended Application Temp	370-390°F (188-199°C)
Maximum Heating Temp	400°F (204°C)
Maximum Heating Time	12 Hrs.
Penetration (150 gr./5 Sec.)	65 dmm Max
Flow at 140°F (60°C)	3 mm Max
Softening Point	200°F (93°C) Min
Bond, 0°F (-18°C)/50% Ext	Passes 5 Cycles
Asphalt Compatibility	Compatible

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IMPORTANT WEATHER LIMITATIONS

- Surface and air temperature should be a min. 50° F (10° C) and rising.
- Do not apply on rainy, foggy, or extremely humid days (max 80%), or when rain is in the forecast within 8 hours.
- Most favorable conditions are; humidity less than 60%, higher temperatures and lower relative humidity with mild wind velocity.
- **For Optimum Performance of Crack Fillers.** Applications done in the early spring and late fall months are most effective. Cracks will be at their widest state in the cooled pavement surface conditions during these times.

MELTING

The melting kettle can be a conventional oil jacketed unit or a direct fired kettle with mechanical agitation and temperature control devices. Carefully insert small quantities of STAR® Elasto-Bond™ 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: Heat transfer oil should not exceed 525°F (274°C) in oil jacketed kettles.

APPLICATION DETAILS

- Thorough cleaning is imperative for proper adhesion. The crack/joint must be free of moisture, dust, loose aggregate, and other contaminants.
- Sawing, routing, and/or sandblasting are the preferred methods of preparation prior to application of the material.
- Use oil-free compressed air and heat to clean and dry the 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.
- In cases of cracks deeper than 1/2" (12.7mm), the use of a backer rod or sand filler may be necessary to keep STAR® Elasto-Bond™ settling too deep into the cracks and causing excessive material to be used to fill the voids.

CAUTIONS

KEEP FROM FREEZING / KEEP OUT OF REACH OF CHILDREN

Wear gloves and protective clothing. In case of contact, flush skin or eyes immediately with fresh water. If the product gets in the mouth or eyes see a physician immediately. Consult a Safety Data Sheet for details.



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