



LA 4009EU (Belt and Mining Adhesive)

LA 4009EU has been formulated to be in compliance with the European regulation “Reach” which discourages the use of Toluene. This is a Toluene free, high performance adhesive system that has proven to be especially useful in the fabrication and repair of PU or PVC belting or liner system. It exhibits high initial bond strength, with very strong bonds achieved overnight. Full cure develops within 5-7 days, with the final properties exhibiting high adhesion with excellent heat resistance. LA4009EU is a two-part adhesive that is traditionally used with CAT UR catalyst. However, for better resistance to discoloration in the outdoors, it may also be used with CAT UV catalyst. LA4009EU adhesive, when used with CAT UV, is protected with a UV inhibitor package to minimize the typical yellowing that occurs from outdoor use.

Technology / Base	Polyurethane
Components	Two component
Curing	Room Temperature
Appearance / Color	Clear/ Slight Yellow
Consistency	Liquid

Technical Data

Property	Value	Condition/Method
Un-Cured Properties		
Viscosity	500-1,000 cPs	Brookfield RVT#3/ 20 RPM
Solids	11.5-14.0 %	
Weight Per Gallon	7.72lbs/gal +/- .2	
Shelf Life	12 Months in unopened container	
Effects of Freezing	Reversible Gel	

Surface Preparation

All application surfaces must be clean, dry, structurally sound, and free from grease, oil, mold release agents, loose scale, etc. Remove such contaminants by surface abrasion followed by a MEK solvent wash. Allow to dry thoroughly.

Application

1. Pre-wash surfaces with a damp cloth using MEK or Acetone.
2. Allow to dry for 5 minutes minimum.
3. Mix LA 4009EU with the appropriate amount of catalyst and mix until uniform. The catalyzed system has a pot life of eight hours.

CAT UR: 2 parts / 100 parts of LA4009EU by weight or 2 fluid ounces per gallon of adhesive

CATUV: 5.5 parts / 100 parts of LA4009EU by weight or 5.5 fluid ounces per gallon of adhesive

4. Apply 2-3 liberal coats of adhesive to the surfaces to be bonded, allowing 5-10 minutes drying time between coats.
5. Fifteen minutes after application of the last coat, combine the surfaces with one of the following methods:
 - With a damp cloth of MEK, swab both surfaces to be mated.

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- Allow the excess solvent to “flash off” (approximately 15 seconds)
- Join the surfaces when aggressively tacky and apply pressure with a hand roller. The tack or open time will depend upon thickness of the dry film and the quantity of solvent applied to the film for reactivation.

Safety

See SDS sheet for complete details.

Solvent clean up: Ketone

Recommended Storage 45°F - 85°F. Keep out of direct sunlight. Mix well before use.

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