KINDER K™
EXPERIENCE INNOVATION PRODUCTIVITY

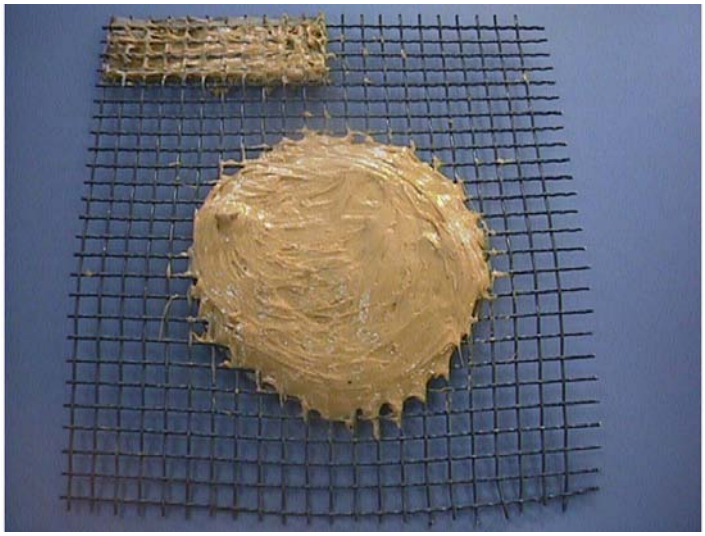
Eratrowel - Cold Trowelable Urethane

High Performance, Repair Resin

Eratrowel MT80A is a two component, room temperature cure MDI polyurethane repair system. The resin composition of this system produces an elastomeric material with exceptional toughness, high elongation, and excellent tensile and tear strength combined with optimum abrasion resistance. It has the added advantage of being MDI based and is therefore less toxic than traditional TDI based systems.

The mixed system becomes a smooth, trowelable paste in 1 – 2 minutes and possesses a pot life of 8 minutes at ambient conditions. The two components undergo an initial reaction on mixing to produce a degree of thixotropy sufficient to prevent sagging.

Eratrowel MT80A was formulated primarily for the repair of various types of urethane parts and components. This system may also be utilised as a sealant or lining material, as well as for other high-stress industrial applications. In addition, MT80A may also be applied to other plastic, as well as, metal substrates by priming the surface.



Product Specifications

	Part A	Part B
Appearance	Clear to cloudy liquid	
Viscosity @ 25°C (cps)	2500 ± 500	161,000 ± 2000
Specific Gravity @ 25°C	1.15 ± 0.2	1.04 ± 0.02

Typical Cured Properties

Hardness (Shore A)	80 ± 5
Abrasion loss, DIN (mm^3)	85

INQUIP BULK MATERIAL & DUST HANDLING
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Mixing and Curing Conditions

Mix Ratio, (Part A / Part B) (pbw)	100/ 90
Temp of Part A (°C)	20 – 25
Temp of Part B (°C)	20 – 25
Pot Life @ 25°C (minutes)*	6 – 8
Cure	Min 24 hours @ 25°C

(Based on a 200gram total mix)

PROCESSING PROCEDURE

For repair of worn polyurethane, metal or rubber components, the following procedure should be followed:

1. Ensure area to be repaired is thoroughly dry.
2. Clean surface and abrade to provide a mechanical key.
3. Clean surface thoroughly using a solvent wipe; suitable solvents include MEK and acetone. Apply suitable primer.
4. Stir Polyol component (Part B). If lumpy or semisolid, warm to 20-30°C and stir until smooth.
5. Weigh the Polyol component into a mixing container followed by the Part A (Iso).
6. Immediately after weighing, stir the mixture constantly for 1 to 2 minutes to ensure complete mixing. The sides and bottom of the container should be scraped thoroughly to ensure good mixing. Apply to the area to be repaired.
7. If possible, apply a hot blower to the area to ensure rapid and thorough cure of the polyurethane.
8. If this is not possible, then spray a light mist coat of methylated spirits. Smooth out the surface with a rubber gloved hand.

ADHESION

Adhesion of Erapol based elastomers to various substrates is at best marginal if a primer is not used. Please consult Era Polymers for specific recommendations to improve adhesion. The following primers are recommended for the various substrates.

- AD-6 Two component metal primer, room temperature cure.
- AD-1147 Single component metal primer, ambient to 100°C cure.
- PR-1167 Single component primer for rubber and polyurethanes.

NOTE: It is important that all dirt, rust, grease and all be removed from surfaces prior to applying the primers.

HANDLING AND STORAGE

Both Part A and Part B components are moisture sensitive. Containers should be flushed with dry nitrogen each time they are opened, unless the contents are used within one week.

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