

# NEW 2 OLD - LPL - LONG POT LIFE, 100% SOLIDS, MOISTURE INSENSITIVE

**DESCRIPTION:** NEW 2 OLD - LPL is a two component, 100% solids, structural epoxy adhesive for bonding new concrete to old concrete in high temperatures, or where long pot life and open time are needed. Can also be used as a binder for aggregate to create a mortar.

**USES:** Bonding of new concrete to old concrete. Filling voids and joints in masonry. Patching, repair. Grouting dowel bars, anchors, bolts, etc.

**ADVANTAGES:** Long pot life. 100% solids, conforms to VOC regulations. Moisture insensitive. High strength. Easy to apply.

**SURFACE PREPARATION:** Surface must be clean and free of any dust oil, grease, laitance, curing compounds or any other contaminants. This should be achieved by sand blasting, water blasting or some other mechanical means. New concrete surfaces may be acid etched with muriatic acid and rinsed thoroughly. The surface must be dry or damp, and must be free of standing water.

**MIXING AND APPLICATION:** Pre-mix each component before combining. Mix thoroughly 2 parts component A with 1 part component B by volume. Mix with spatula or low speed drill with a mixing paddle. Be sure to scrape the sides and bottom of the container during the mixing process. Do NOT mix more than may be used in 60 minutes. For bonding new concrete to old concrete, apply mixed material to surface by brush, roller or spray. Pour new concrete while epoxy is still tacky. If NEW 2 OLD - LPL loses its tackiness before concrete is poured, re-coat with fresh epoxy. Epoxy mortar is produced by adding up to three parts of clean, dry, bagged sand by volume. Prime the surface with neat NEW 2 OLD - LPL and apply mortar with a trowel. For grouting dowel bars, anchors, etc., clean all dust out of hole and grout with neat NEW 2 OLD - LPL.

**LIMITATIONS:** Do NOT apply when temperature is below 40°F. Do NOT apply to latex modified mortar or concrete.

**CLEAN UP:** Clean tools and equipment immediately with a suitable solvent such as xylene or lacquer thinner.

**PACKAGING:** 3 gallon units, 15 gallon units, 150 gallon units

**CAUTION:** For professional use only. Epoxy systems can cause delayed dermatitis. Avoid prolonged contact with skin. See Material Safety Data Sheet for proper handling and required safety equipment.

Properties at 77° F	
Mix Ratio by Volume	2:1
Color	Grey (mixed)
Pot Life (100 Grams)	3 hours @ 50°F, 70 minutes @ 77°F, 30 minutes @ 100°F
Open Time	4 hours @ 50°F, 2 hours @ 77°F, 40 minutes @ 100°F
Final Cure	3 Days
Viscosity (mixed)	1,700 cps
Compressive Strength (ASTM D-695)	9,500 psi
Tensile Strength (ASTM D-638)	4,000 psi
Tensile Elongation (ASTM D-638)	2.5%
Slant Shear Strength (AASHTO-T-237)	>5,000 psi
Shelf Life	1 year