

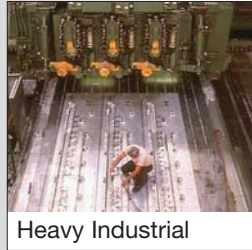


# PRO-POXY 2000 NORMAL SET PRO-POXY 2000 DEEP POUR (LPL)

HIGH PERFORMANCE EPOXY MACHINE GROUTS

## FEATURES:

- ◆ High Strength
- ◆ Low Exotherm
- ◆ Excellent Flowability
- ◆ Oil & Chemical Resistant
- ◆ High Effective Bearing Area
- ◆ Self-leveling
- ◆ Soap & Water Cleanup



Heavy Industrial



Marine



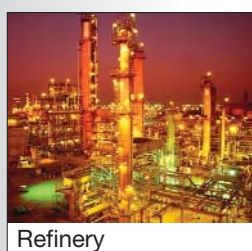
Natural Gas



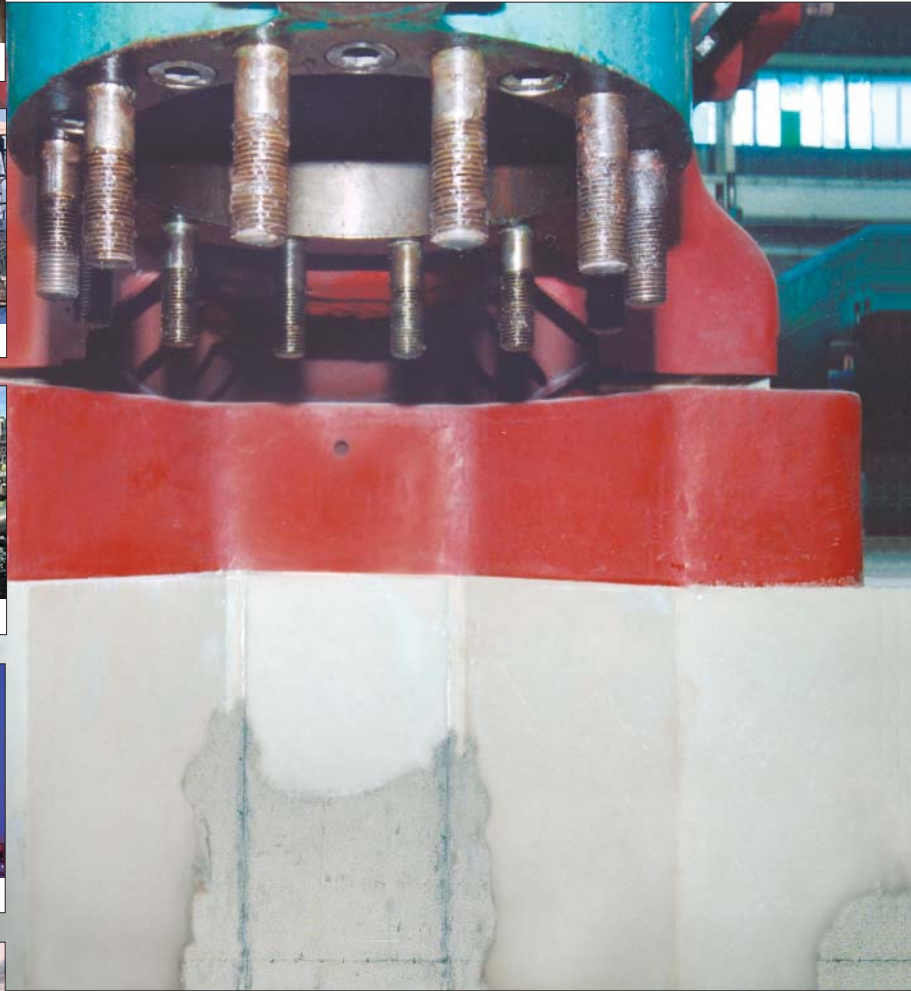
Power Plants



Paper Mills



Refinery



*Weight, Torque, Vibration???*

**PRO-POXY 2000 NORMAL SET &  
PRO-POXY 2000 DEEP POUR (LPL)**

*are your answers.*



# PRO-POXY 2000 NORMAL SET PRO-POXY 2000 DEEP POUR (LPL)

## ◆ DESCRIPTION

UNITEX PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) are three component, 100% solids, high performance, precision epoxy machine grouts developed for the support of heavy equipment. These systems combine a high quality epoxy resin and curing agent with an engineered blend of graded aggregates to produce a flowing grout with even aggregate distribution. When properly placed and cured, PRO-POXY 2000 Normal Set and PRO-POXY 2000 Deep Pour (LPL) provide a durable surface with resistance to chemicals, vibration, and dynamic loads commonly subjected to equipment foundations.

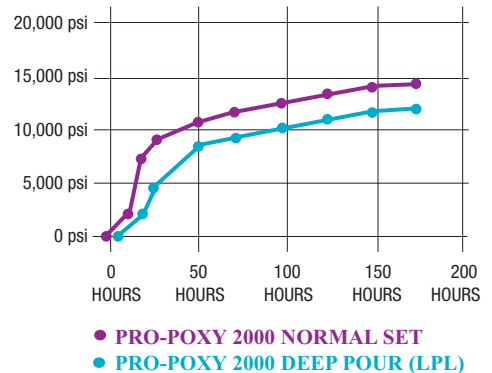
## ◆ FEATURES & BENEFITS

<ul style="list-style-type: none"> <li>■ High physical properties</li> <li>■ High impact resistance</li> <li>■ High early strength</li> <li>■ High effective bearing area</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Helps maintain vertical alignment of equipment under harsh and destructive forces.</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Pre-measured units</li> </ul>	<ul style="list-style-type: none"> <li>● <i>No need for field measurement</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Convenient coverage units (.5cu ft / .014m<sup>3</sup> or 2cu ft / .056m<sup>3</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Allows for minimal waste</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Low exotherm cure</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Increases productivity, saves \$\$</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Deep pour capability</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Minimizes down time</i></li> </ul>
<ul style="list-style-type: none"> <li>■ High oil &amp; chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Extends foundation life</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Excellent flowability</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Eases placement, saves \$\$</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Mixed density 140 lbs / cu ft</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Even aggregate distribution</i></li> </ul>
<ul style="list-style-type: none"> <li>■ Low toxicity formulation</li> <li>■ Easy soap &amp; water clean up</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Safety of workers and workplace, eliminates solvents</i></li> </ul>

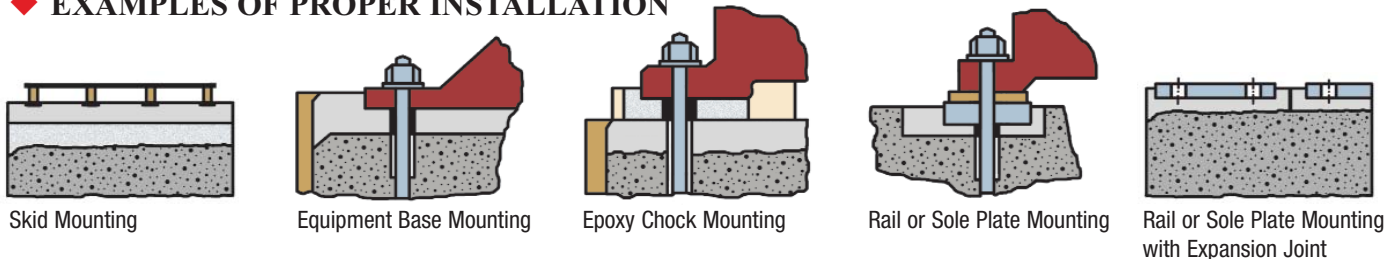
## ◆ AVERAGE WORKING & CURING TIMES

AMBIENT TEMP	WORKING TIME	CURING TIME
<b>PRO-POXY 2000 NORMAL SET</b>		
50°F / 16°C	4 hrs	42 hrs
55°F / 18°C	3 hrs	36 hrs
65°F / 21°C	2 hrs	30 hrs
75°F / 24°C	1.5 hrs	24 hrs
85°F / 29°C	45 min	18 hrs
95°F / 35°C	30 min	12 hrs
100°F / 38°C	20 min	8 hrs
<b>PRO-POXY 2000 DEEP POUR (LPL)</b>		
50°F / 16°C	8 hrs	84 hrs
55°F / 18°C	7 hrs	72 hrs
65°F / 21°C	5 hrs	60 hrs
75°F / 24°C	3.5 hrs	48 hrs
85°F / 29°C	2.5 hrs	36 hrs
95°F / 35°C	1.5 hrs	24 hrs
100°F / 38°C	1 hr	16 hrs

## ◆ COMPRESSIVE STRENGTH AT ROOM TEMPERATURE



## ◆ EXAMPLES OF PROPER INSTALLATION



## ◆ USES BY INDUSTRY

PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) are ideal for high stress applications found in gas transmission, refining, chemical processing, pulp and paper, steel and other heavy industrial equipment installations. New equipment installations, quick re-grouting applications, and foundations subject to chemical attack are suitable for PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) epoxy grout.

<b>Steel</b>	Main Mill Housings	Fan housings
	Gear Boxes	Acid Pumps
	Large DC Motors	Crushers
	Mill Tables	Ball Mills
	Gantry Crane Rails	Car Scales
	Manipulator/Transfer Rail Beds	Co-Gen Plants
	Engines	Galvanizing Plants

## ◆ PLACEMENT CONSIDERATIONS

**TEMPERATURE:** *Important...* Epoxy resins are temperature sensitive and care should be taken to condition all components (including component "C" aggregate) to between 75°F – 90°F (24°C – 32°C) for a minimum of 24 hrs. prior to mixing and placement. Temperatures colder than stated range increase viscosity of resins and inhibit mixing and flow of grouting materials. Temperatures warmer than stated range decrease viscosity of resins, hasten the cure, and reduce the working time of the grout.

### SURFACE

#### PREPARATION: New Concrete –

Fresh concrete must be allowed to cure for a minimum of 28 days to allow for hydration and shrinkage prior to placement of PRO-POXY 2000 NORMAL SET or PRO-POXY 2000 DEEP POUR (LPL). Please contact UNITEX Technical



Service before attempting to place these products on 'green' concrete. All surface laitance and fines shall be removed by a light pneumatic chipping hammer, sandblasting, or other abrasive means in order to expose sound aggregate and leave a strong bond surface for grout.

**Old Concrete** – Existing foundations should be checked for cracks and repaired. Contact UNITEX Technical Service for a complete selection of injection resins available for repair. Use light pneumatic chipping hammer, sandblasting, or other abrasive means to remove all weak, oil soaked concrete until clean, sound surface is exposed.

**Metal Surfaces** – All metal surfaces to come in contact with grout should be sandblasted to white metal finish and wiped clean with solvent. Items not intended to bond to grout, such as leveling screws, wedges, and bolts must be protected with wax, caulk, duct tape or similar.

### FORM

#### PREPARATION:

Epoxy grouts require heavy duty forms. A sheet of 3/4" plywood and proper bracing should be used to hold the force of the weight of the grout (140 lbs/64kg per cu ft). Forms should be coated with a minimum of two coats of



an industrial grade paste wax to facilitate removal of forms after cure. Forms should have 45° angle chamfer strips at all vertical corners and horizontal grout grade elevation in order to eliminate sharp corners. Caulk, putty, or similar sealant should be used to render the forms "watertight". Forms should be designed to allow for a hydraulic head to facilitate the placement of PRO-POXY 2000 NORMAL SET or PRO-POXY 2000 DEEP POUR (LPL).

### TOOLS & MATERIALS CHECK LIST:



**PRO-POXY 2000  
NORMAL SET or  
PRO-POXY 2000  
DEEP POUR (LPL)**  
Flat Head Screwdriver  
Mortar Mixer  
Water  
Hard Hats  
Wheel Barrow  
Hand Tools  
Protective Clothing  
Buckets  
Rags  
Floor Protection  
Shovels  
Rubber Gloves  
Citrus Cleaner  
Jiffy Mixer  
Safety Glasses

**Oil & Gas**

- Engines
- Turbines
- Compressors
- Flood Pumps
- Valve Supports
- Refrigeration Units

**Pulp & Paper**

- Barking Drums
- Acid & Caustic
- Pumps
- Paper Machines
- Calenders
- C-Gen Plants
- Fan Housings
- Compressors
- Engines
- Clarifiers
- ID Fan Supports
- U-Drains

**Chemical**

- Engines
- Compressors
- Chemical Pumps
- Annular Rings
- Clarifiers
- Concrete Pads
- Co-Gen
- FRP Tanks
- Structural Steel
- Support Plates
- Refrigeration Units
- Processing
- Machinery
- Fan Supports

**MIXING:** PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) are shipped in pre-measured .5cu ft / .014m<sup>3</sup> unit or a 2 cu ft / .056m<sup>3</sup> unit. Mix these products **ONLY** in complete units. **DO NOT THIN** or add any solvents or foreign materials to these products. **ALWAYS** follow published temperature guidelines prior to mixing.

**.5cu ft / .014m<sup>3</sup> Unit:** Components A-Resin, and B-Hardener are packaged in separate containers inside a 5 gal / 18.8L mixing pail. Pour both liquid components into pail and mix thoroughly for 3 minutes with a *Jiffy* Mixer on low-speed (300 rpm) until material is a uniform consistency. NOTE: Keep mixer at bottom of pail to avoid introducing air. After liquid components are mixed, slowly add component C-Aggregate. Mix only until all aggregate is wetted out. Pour mixed grout into forms.

**2 cu ft / .056 m<sup>3</sup> Unit:** Component A-Resin is packaged in a 5 gal / 18.8L pail, component B-Hardener is packaged in a 2 gal / 7.57L pail, component C-Aggregate is packaged in (4) 60 lb poly-lined bags. Pour component B-Hardener into 5 gal / 18.8L, pail containing component A-Resin. Mix material thoroughly for 3 minutes with a *Jiffy* Mixer on a low-speed (300 rpm) drill motor until a uniform consistency is achieved. NOTE: Keep mixer at bottom of pail to avoid introducing air. Pour liquids into mortar mixer, making sure to remove all resins from sides and bottom of pail with spatula or similar tool. Introduce first bag of component C-aggregate prior to starting mixer. Start mixer and slowly add the remaining three bags of aggregate. Mix only until all aggregate is wetted out! **DO NOT OVER MIX.**



**Mining**

Crushers	Conveyors
Vibrators	Drive Equipment
Compressors	Crane Rail Beds
Engines	Clarifiers
Pumps	Furnaces
Kilns	FRP Tanks
Fan Housings	

**Waste & Water**

Engines & Compressors
Clarifiers & Pumps
Co-Gen Plants
Valve Supports
Kilns
Solid Waste Shredders
Hammer Mills

**Other**

Anchor Bolts	Milling Machines
Auxiliary Equipment	Patching
Bearing plates	Pip Supports
Centrifuges	Shearing Equipment
Cooling Towers	Stamping Machines
Dowels	Structural Columns
Lathes	Tank Supports



**PLACEMENT:** PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) should be poured into forms at one location in order to allow a uni-directional flow. Use of a header box will ease the placement of the finished product. Strict adherence to temperature considerations will assist the placement properties. Check forms frequently for leaks. Plug leaks with a hydraulic cement or putty. PRO-POXY 2000 NORMAL SET or PRO-POXY 2000 DEEP POUR (LPL) will not self-seal.

**FINISHING:** When forms are filled to desired elevation, exposed horizontal surfaces of PRO-POXY 2000 NORMAL SET or PRO-POXY 2000 DEEP POUR (LPL) may be finished with a surfactant such as xylol or toluene and a paintbrush or small hand trowel. Surfactant should be lightly sprayed or misted on surface, DO NOT PUDDLE on surface. This process can be repeated every 30 minutes until surfaces are firm.



**CLEAN UP:** PRO-POXY 2000 NORMAL SET and PRO-POXY 2000 DEEP POUR (LPL) are low exotherm grouts. The extended working time allows for easy soap & water clean up of tools mixers and work area while PRO-POXY 2000 NORMAL SET or PRO-POXY 2000 DEEP POUR (LPL) are in the plastic stage. For materials that have started to set, UNITEX CITRUS CLEANER, Xylol, or other approved solvent may be used.

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◆ **PACKAGING**

- .5 cu ft / .014 m<sup>3</sup> Unit (70 lb / 31.7 kg)
  - component A – 1 gal / 3.8 L can
  - component B – .5 gal / 1.9 L can
  - component C – (1) 60 lb / 27 kg bag

Component A and C are shipped inside a 5 gal / 1.9 L pail convenient for mixing.

- 2 cu ft / .056 m<sup>3</sup> Unit (280 lb / 127 kg)
  - component A – 5 gal / 18.9 L can
  - component B – 2 gal / 7.5 L can
  - component C – (4) 60 lb / 27 kg bags

## ◆ SAFETY CONSIDERATIONS

- Component A – Irritant
- Component B – Corrosive
- Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves are recommended.
- Use of a NIOSH/MSHA organic vapor respirator is recommended if ventilation is inadequate.
- Avoid breathing vapors.
- Avoid skin contact.

## ◆ FIRST AID

**EYE CONTACT:** Flush immediately with water for at least 15 minutes. Contact physician immediately.

**RESPIRATORY CONTACT:** Remove person to fresh air.

**SKIN CONTACT:** Remove any contaminated clothing. Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

**CURED EPOXY RESINS ARE INNOCUOUS.**

## ◆ OTHER PRODUCTS AVAILABLE

INJECTION RESINS	BONDING AGENTS	ANCHORING GELS	SEALANTS	EPOXY CHOCK GROUT	MISC. PRODUCTS
PRO-POXY 50 (Super LV) PRO-POXY 100 (LV)	PRO-POXY 200 PRO-POXY 204 SLOW SET BONDING AGENT	PRO-POXY 300 PRO-POXY 300 FAST	PRO-FLEX PRO-FLEX GEL BRIDGE-SEAL	PRO-POXY 3000 PRO-POXY 3300	Form Releases Curing Compounds Concrete Hardeners CITRUS CLEANER

LABORATORY TESTS	RESULTS	
	PRO-POXY 2000 NORMAL SET	PRO-POXY 2000 DEEP POUR (LPL)
C 579 Compressive Strength	14,500 psi	12,000 psi
C 307 Tensile Strength	2,400 psi	2,300 psi
C 580 Flexural Strength	5,500 psi	5,000 psi
C 580 Modulus of Elasticity	2,160,000 psi	2,150,000 psi
C 882 Bond Strength	3,500 psi	3,000 psi
C 531 Linear Shrinkage on cure	0.005%	0.005%
C 531 Coefficient of Thermal Expansion	18 x 10 <sup>-6</sup> in/in/°F	20 x 10 <sup>-6</sup> in/in/°F
D 2240 Shore D Hardness	95	93
C 905 Density	144 lb/ft <sup>3</sup> (2,300 kg/m <sup>3</sup> )	144 lb/ft <sup>3</sup> (2,300 kg/m <sup>3</sup> )
Pour Depth at 75° F	Up to 8 inches	Up to 18 inches

Disclaimer of Warranties: Neither manufacturer nor seller have any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. Neither manufacturer nor seller assume any liability for personal injury, loss or damage resulting from the use of the product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.

Contact UNITEX Technical Services for further information or installation instructions.



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