

# TECHNICAL INFORMATION

## EPOXIES

### PRODUCT NAME

## Denepox I-60

Two Component Structural Epoxy

### MANUFACTURER

De Neef Construction Chemicals, Inc.  
5610 Brystone  
Houston, TX 77041  
1(800) 732-0166

### PRODUCT DESCRIPTION

**Denepox I-60** is a super low viscosity, 100% solids, two-component, structural epoxy injection resin system designed specifically for pressure injection. **Denepox I-60** has no odor and is moisture insensitive so it can be applied in damp to dry (not wet) conditions. This product meets ASTM C-881, Type: IV, Grade:1, Class B & C.

### APPROPRIATE APPLICATIONS

- Pressure injecting tight cracks
- Structural crack repair

### ADVANTAGES

- Very Low Viscosity
- Extremely High Strength
- Moisture Insensitive
- 100% Solids
- No Shrinkage
- Easy Application

### PACKAGING

Available in 3 and 15 gallon units

### LIMITATIONS

Application at ambient temperature below 40°F is not recommended. Exposure to temperatures exceeding 150°F for prolonged periods is not recommended.

### PHYSICAL PROPERTIES

	<u>PART A</u>	<u>PART B</u>
Solids	100%	100%
Color	Clear	Amber
Viscosity	60 cps	25 cps
Shelf Life	1 year	1 year
	<u>PROPERTIES</u>	<u>ASTM METHOD</u>
Mix Ratio	2:1 by volume (A:B)	N/A
Viscosity @ 77°F	60 cps	Brookfield
Pot Life (3 oz.) @ 77° F	60 minutes	N/A
Hardness (Shore D)	80-D 65%	D-2240
Gel Time (5 mil) @ 77° F	4-5 hours	N/A
Tensile Strength @14 days	7,500 psi	D-638
Flexural Strength @ 14 days	9,000 psi	D-790
Compressive Strength @14 days	10,000 psi	D-695
Bond Strength	350 psi (24 hours)	C-321
Elongation	2-5%	D-638
Water Absorption	0.15% (24 hours)	N/A

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

### SURFACE PREPARATION

Surface of application should be clean and sound. The surface must be free of dust, oil, grease, laitance, curing compounds, or any other contaminants. It may be dry to damp, but must be free of standing water. The very best results are obtained on dry concrete. Do NOT apply on surfaces, which have been sealed with a permanent type of form oil, curing compound or release agent. Remove these substances before application. The surface

## **SURFACE PREPARATION (continued)**

temperature must be 40°F and rising. When bonding new concrete to old concrete, the new concrete to be bonded should be a relatively dry mix, having a maximum slump of 5 inches. Refer to De Neef Surface Preparation Guidelines for more details.

## **INSTALLATION PROCEDURES**

**Mixing Procedure:** Stir each component separately. Mix 2 parts A with 1 part B by volume into a clean mixing container. Mix the epoxy with a slow speed drill with a mixing paddle attachment. Carefully scrape the sides and bottom of the pail during mixing with a paint stirring stick. Blend for 3 minutes. When preparing grout, mix in 4-6 parts of aggregate by volume. For flowable or self-leveling grout, mix in 2 parts of aggregate by volume. Mix only the amount of materials that can be used within the pot life. **Please note: Large batches of epoxy will cure much faster than small batches. Mixed epoxy will cure much faster in hot weather than in cold weather.**

### **Application** –

**As an adhesive:** Mixed material may be applied by brush, roller or spray. Fresh concrete should be placed within one hour after coating existing concrete.

**As a grout:** Fill the cavity with mortar, tamp and strike off level with the surrounding surface.

**As an injection epoxy:** Mix and metering equipment is recommended. Please contact De Neef Construction Chemicals or your local representative for detailed instructions.

## **STORAGE & HANDLING**

**Shelf Life:** A minimum of 1 year in original, unopened container.

**Storage:** Store in a dry area, between 40°F and 95°F. Protect from direct sunlight.

## **PRECAUTIONS**

**WARNING! KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR PROFESSIONAL USE ONLY BY A QUALIFIED TECHNICIAN.**

**Health Precautions:** Component A - IRRITANT - Prolonged skin or eye contact may cause sensitization and irritation. Component B - IRRITANT - Contact with skin or eyes may cause severe burns.

### **First Aid:**

**Skin Contact:** Wash thoroughly with soap and water.

**Eye Contact:** Flush immediately with clean water and contact a physician.

**Respiratory Problems:** Remove affected person to fresh air immediately and contact a physician.

**Hygiene:** Wash hands immediately after use. Wash clothing before reuse.

**Spills:** Collect with absorbent material. Remaining material may be removed with a suitable solvent.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Material Safety Data Sheet for detailed safety precautions.

## **SAFETY INFORMATION**

In the event of an EMERGENCY call:  
CHEM-TREC 800-424-9300.

## **WARRANTY INFORMATION**

De Neef Construction Chemicals, Inc. products are warranted under the policy set forth under the WARRANTY section of the De Neef Construction Chemicals Inc., product catalog. Warranty information can also be obtained via the De Neef Construction Chemicals Inc. website at [www.deneef.com](http://www.deneef.com), by calling 713-896-0123 or toll free at 1-800-732-0166.

Rev. 04/2006