

## DATA SHEET

### 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 or even wet conditions. This product meets ASTM C-881, Type: IV, Grade:1, Class B & C. Available in 3 and 15 gallon units.

### FEATURES

- ❖ Super Low Viscosity
- ❖ Extreme High Strength
- ❖ Moisture Insensitive
- ❖ 100% Solids
- ❖ No Shrinkage
- ❖ Easy Application

### PHYSICAL PROPERTIES

	<u>PART A</u>	<u>PART B</u>
Solids	100%	100%
Color	Clear	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	10,000 psi	D-638
Flexural Strength	12,000 psi	D-790
Compressive Strength	12,200 psi	D-695
Bond Strength	350 psi (24 hours)	C-321
Elongation	2-5%	D-638
Water Absorption	0.15% (24 hours)	N/A

## GENERAL INFORMATION

**Surface Preparation:** Surface of application should be clean and sound. The surface must be free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. It may be dry, damp, or wet, 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 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.

**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.

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

**Clean-Up:** Remove uncured **Denepox I-60** from tools and equipment with a suitable solvent such as xylene or toluene immediately after use. Cured material may only be removed mechanically.

### **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.

## HEALTH & SAFETY

**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.

### **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. Consult the Material Safety Data Sheet for further health and safety information.

### **Product Warranty**

De Neef Construction Chemicals, Inc. products are warranted under the following policy:

All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of this product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use this product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer

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**EMERGENCY RESPONSE – CALL CHEMTREC 800/424-9300**

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