

TECHNICAL INFORMATION

EPOXIES

PRODUCT NAME

Denepox Gel 125

Two Component Epoxy Gel

MANUFACTURER

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

PRODUCT DESCRIPTION

Denepox Gel 125 is a two component, 100% solids, epoxy gel used for patching, bonding, surface sealing and interior joint sealing. It is flexible with an elongation of 30-50%.

APPROPRIATE APPLICATIONS

- Patching
- Bonding
- Surface sealing
- Interior joint sealing

ADVANTAGES

- Tenacious Adhesion
- High Strength
- Non-sag
- Moisture Insensitive
- 100% Solids
- Very Flexible
- Easy Application

PACKAGING

Available in 2 and 10 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.

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, damp, or

PHYSICAL PROPERTIES

	<u>PART A</u>	<u>PART B</u>
Solids	100%	100%
Color	White gel	Black gel
Wt./Gal.	10.12 lb.	10.01 lb.
Shelf Life	1 year	1 year
	<u>PROPERTIES</u>	<u>ASTM METHOD</u>
Blended Color	Gray Concrete	Visual
Mix Ratio	1:1 by volume (A:B)	N/A
Viscosity	Gel	N/A
Pot Life (3 oz.) @ 77°F	30 min	N/A
Hardness (shore D) @ 77°F	60	D-2240
Hardness (shore A) @ 77°F	92	D-2240
Gel Time (5 mil) @ 77°F	4-5hours	N/A
Tensile Strength	800 psi	D-638
Tensile Elongation	30%-50%	D-638
Flexural Strength	0 psi	D-790
Compressive Strength	600 psi	D-695
Compressive Modulus	100,000 psi	D-695
Modulus of Elasticity	98,000 psi	D-695
Bond Strength	350 psi (24 hours)	C-321
Bond Strength	3175 psi (14 days)	C-882
Absorption	0.80%	D-570

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 cont.

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. Refer to De Neef Surface Preparation Guidelines for more details.

INSTALLATION PROCEDURES

Mixing Procedure - Stir each component separately. Mix 1 part A with 1 part B by volume in 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 mortar, mix in one part of dry aggregate by volume. Mix only the amount of material 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 - Fill the cavity with mortar, using a trowel or spatula. Tamp and strike off level with the surrounding surface. When filling deep areas, limit each layer to 1 inch to avoid sagging on vertical or overhead applications.

Clean-Up: Remove uncured **Denepox Gel 125** 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.

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, by calling 713-896-0123 or toll free at 1-800-732-0166.

Rev. 04/2006