

TECHNICAL INFORMATION

EPOXIES

PRODUCT NAME

Denepox Rapid Gel

Two Component Epoxy Gel

MANUFACTURER

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

PRODUCT DESCRIPTION

Denepox Rapid Gel is a non-sagging, rapid curing, 100% solids, two component, fast setting epoxy gel used for patching, surface sealing, and bonding substrates. **Denepox Rapid Gel** is a thixotropic gel with 1% elongation that works well for port adhesion and surface patching when injecting epoxies, especially if done the same day. **Denepox Rapid Gel** is moisture insensitive so it can be applied in damp or even wet conditions. This product meets ASTM C-881, Type: IV, Grade: 3, Class: A, B and C.

APPROPRIATE APPLICATIONS

- Surface patching
- Surface sealing
- Bonding substrates

ADVANTAGES

- Fast setting
- No odor – no mercaptans
- Moisture insensitive
- No shrinkage
- High strength
- 100% solids
- Easy to apply
- Tenacious adhesion
- Non-sag

PACKAGING

Available in side by side cartridges, 2 and 10 gallon units.

TYPICAL PROPERTIES

	PART A	PART B
Solids	100%	100%
Color	White	Black
Weight per gallon	13.97 lb	12.71 lb
Shelf Life	1 year	1 year
	PROPERTIES	ASTM METHOD
Blended Color	Gray Gel	Visual
Mix Ratio	1:1 by volume (A:B)	N/A
Viscosity	Non-Sagging Gel	N/A
Pot Life (3 oz.) @ 77° F	4-5 minutes	N/A
Hardness (shore) @ 77° F	75-D ±5%	D-2240
Gel Time (5 mil) @ 77° F	15 -20 minutes	N/A
Tensile Strength	6,000 psi	D-638
Flexural Strength	4,000 psi	D-790
Compressive Strength	10,880 psi	D-695
Bond Strength (48 hours)	2,934	C-882
Elongation	1%	D-638
Water Absorption (24hours)	0.35%	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

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 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. Precondition the materials to between 65°F – 85°F before using. 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 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. 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 a grout:** Fill the cavity with mortar using a spatula or trowel. Tamp and strike level with the surrounding surface. When filling deep areas, limit each layer to ½ inch to avoid sagging on vertical or overhead applications. Allow cooling time before doing additional layers because of exothermic reaction.

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.

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