

DE NEEF[®] Denepox Rapid Gel

Two Component Epoxy Gel

Product Description

DE NEEF[®] 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. DE NEEF[®] 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. DE NEEF[®] 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.

Product Advantages

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

Product Applications

- Surface patching
- Surface sealing
- Bonding substrates

Installation Guidelines

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.

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 until a consistent color is observed. 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:

Due to its very short pot life, DE NEEF® Denepox Rapid Gel must be placed quickly. Best when applied in less than 25 mil thickness. For thicker applications use several thin layers. Allow cooling time before doing additional layers because of exothermic reaction.

Packaging & Handling

Packaging:

2 gallon units; 10.5 oz side by side cartridges

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 sunlight.

Limitations

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

Health and Safety

WARNINGS: 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 - CORROSIVE - 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 Safety Data Sheet for detailed safety precautions.

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

Properties

DE NEEF® DENEPOX RAPID GEL

Property	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
Property	Mixed A and B	Test
Blended Color	Grey	Visual
Mix Ratio by Volume	1:1 (A:B)	N/A
Viscosity	Non-Sag Gel	N/A
Pot Life (3 oz. at 77° F)	4-5 min.	N/A
Hardness (Shore D - 77° F)	75	D-2240
Gel Time (5 mil - 77° F)	15-20 min.	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 hrs.)	2,934 psi	C-882
Elongation	1%	D-638
Water Absorption (24 hrs)	0.35%	N/A

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

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