

DifGel HD 2.0 Acrylic Resin - Chemically Activated

Description

DifGel HD 2.0 Acrylic Resin allows for injections while water is present and under high pressures. With the lowest viscosity on the market, this non-toxic, chemically activated resin is perfect for almost any leak. A controlled setting time allows for the resin to penetrate deep into the structure and cure anywhere from 2 seconds to 2+ hours. In its cured form, DifGel HD 2.0 creates a permanent, highly elastic, acrylic gel membrane.

Application

•Permanently halts water intrusions in Elevator Pits, Vaults, Storage Tanks, Tunnels, Mines, Dams or most other structures made of concrete and that have constant water problems.

Features and Benefits

- Viscosity of water
- No toxic cleaning chemicals needed
- Highly elastic
- Dilutes with water, turning all present water into a gel

How it Works

DifGel HD 2.0 is injected through a dual component liquid metering pump and utilizes CGI Texas' patented stainless steel IP100 Injection Pistol, eliminating the need for packers. Once injected, DifGel HD 2.0 creates an impermeable, permanent waterproof membrane. A Catalyst and an Accelerator are used to control the setting time.

Packaging and Shipping

- Offered in 5 gallon jugs, (40 lbs), 32 jugs per pallet
- Non Hazardous
- Ground and Air Freight Shipping is Available

Safety

Always use OSHA approved Personal Protective Equipment (PPE). Refer to MSDS for more safety information. More information can be found on our website (www.cgitx.com).



Physical Properties

Pure Resin

Appearance	Slightly syrupy aqueous solution
Odor	Slightly ester-like
P.h.	6.5 - 7.5
Active/Solid Matter, %	48%
Density	0.044lbs/cubic inch at 68 degrees F
Viscosity(ready to inject)	1-2 cps (water is 1cps)
Flash Point	N/A (aqueous liquid)

Cured Gel

Consistency	Firm and rubbery
Adherence	Very good adherent strength on hydraulic, metallic and plastic bases.
Swelling in water	150-200%
Desiccation in air	Shrinking and hardening without water contact (Reversible)
Tensile strength	100psi - 350psi
Elongation	250% - 350%
Cohesion Rupture	Over 150%

Mixing and Cleaning

ALL PRODUCTS SHOULD BE MIXED THOROUGHLY

Hopper A: Mix 5 gal water with 16oz Catalyst

Hopper B: Mix 1:1 DifGel HD 2.0 with water and 16oz Accelerator

*This mix will yield an approx 2-3 min setting time.

When Hoppers are empty, simply flush all components with clean water.

Our material safety data sheets and other literature are to be considered accurate and reliable, but are used as guides only. 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 products for the intended use and user assumes all risk and liability resulting from his or her use of the product. Neither our company nor manufacturer shall be liable to buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the products. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANTABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications: however, the user assumes all risks and liabilities in connection therewith regardless of any suggestions, we may give. We assume no liability for consequential or incident damages. Our liability in law and equity shall be expressly limited to the replacement of nonconforming goods at our factory.