



Division of Sierra Corporation
ISO 9001:2008 Certified

HYDRO SEAL® Hydrophobic Polyurethane Cartridge Repair Kit

Technical Data

1. PRODUCT NAME

HYDRO SEAL®
HYDROPHOBIC POLYURETHANE GROUT
CARTRIDGE APPLICATION

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
952-938-7223
952-938-8084 (FAX)
e-mail: tksales@tkproduct.com
Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

HYDRO SEAL® Injection Urethane is a flexible, hydrophobic, polyurethane two-component cartridge system for repairing cracks and preventing water leakage in concrete foundation walls and joints.

The HYDRO SEAL® kit includes everything needed to repair 8-10 linear feet of cracks.

Features and Benefits:

- Permanently stops leaks.
- Travels into the crack and through the foundation for a complete seal.
- Works on even the smallest of cracks.
- Easy to use and convenient cartridge packaging requires no mixing or guesswork.
- Complete repair in just 1 hour.
- Suitable for repairs in confined spaces where larger pump injection is not practical.

Basic Uses:

For commercial or residential concrete foundation walls such as basements, garages and parking structures.

4. TECHNICAL DATA

See Tables 1 and 2, on back, for technical information.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

PREPARATION:

The temperature of the wall may alter the reaction time of Hydro Seal Injection Urethane when it is injected. Colder walls and concrete will extend the reaction time. Warmer walls will shorten the reaction time. The reaction can be accelerated by heating Hydro Seal Injection Urethane. Our recommended application temperature is between 55°F to 90°F (12.8°C to 32.2°C). See the tables above.

APPLICATION:

Hydro Seal Injection Urethane is dispensed by using standard, two-component caulking guns equipped with static tube mixers. Hand, battery or air-operated guns are acceptable. No premixing of additional components is required.

Precautions

This material is intended to be used by trained professionals with the proper equipment. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water. Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

Depending on the scope of the project, it may be advisable to consult a manufacturer's representative during installation.

Limitations:

HYDRO SEAL® Injection Urethane should be used within one year of its manufacture date, as marked on the HYDRO SEAL® box.

Material storage

Cartridges should be stored above 60°F (15°C) and below 120°F (48°C). Open cartridges should be used quickly to avoid the material gelling in the cartridge or static mix nozzle. Refer to the material safety data sheets (MSDS) for further information regarding these materials.

All spills of Hydro Seal Injection Urethane should be disposed by absorbing the grout into an inert material and then transferring the mixture to an open top drum. Do not seal the waste drums for 24 hours to allow the Hydro Seal Injection Urethane to react completely. Dispose of waste material in accordance with state and local regulations.

6. AVAILABILITY

HYDRO SEAL® INJECTION URETHANE is available through TK distributors. Contact TK Products for the nearest distributor.

Hydro Seal Injection Urethane is packaged in a complete kit to repair 8-10 linear feet of cracks.

Additional cartridges, surface ports and accessories sold separately.

7. LIMITED WARRANTY

TK Products, a division of The Sierra Corporation, warrants that its products conform to their label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of its products by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. SHOULD ANY OF ITS PRODUCTS FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCTS OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THE PRODUCTS OF TK PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing. See also TK PRODUCTS DISCLAIMER section below.

8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Services
PO BOX 1213
Englewood, CO 80150
Information Marketing Services
13271 Northend
Oak Park, MI 48237

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Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field test by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also LIMITED WARRANTY (Section 7) above.

FOR INDUSTRIAL USE ONLY

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See Tables 1 and 2, on back, for technical information

HYDRO SEAL®
Crack Repair Kit

PRODUCTS



PRODUCTS

HYDRO SEAL®
Crack Repair Kit

Table 1. Physical Properties of Uncured Materials

	Part A	Part B	Test Method
<i>Color:</i>	Pale yellow	Brown	Visual
<i>Specific Gravity:</i>	1.04	1.044	ASTM D-891
<i>Viscosity @ 77°F:</i>	195 centipoises	170 centipoises	ASTM D-4878
<i>Storage Stability:</i>	12 months	12 months	
<i>Corrosiveness:</i>	Non-corrosive	Non-corrosive	
<i>Flash Point:</i>	390°F	> 300°F	

Table 2. Physical Properties of Cured Materials

	HYDRO SEAL®	Test Method
<i>Tensile Strength:</i>	55 psi	ASTM D-412
<i>Elongation:</i>	140%	ASTM D-412
<i>Die-C Tear:</i>	8 pli	ASTM D-624
<i>Pot Life @ 77°F:</i>	10 minutes	
<i>Shrinkage by Weight:</i>	1-2%	in-house
<i>Shrinkage by Volume:</i>	2-12%	in-house
<i>Density:</i>	60 pcf	in-house
<i>Toxicity:</i>	non-toxic	