



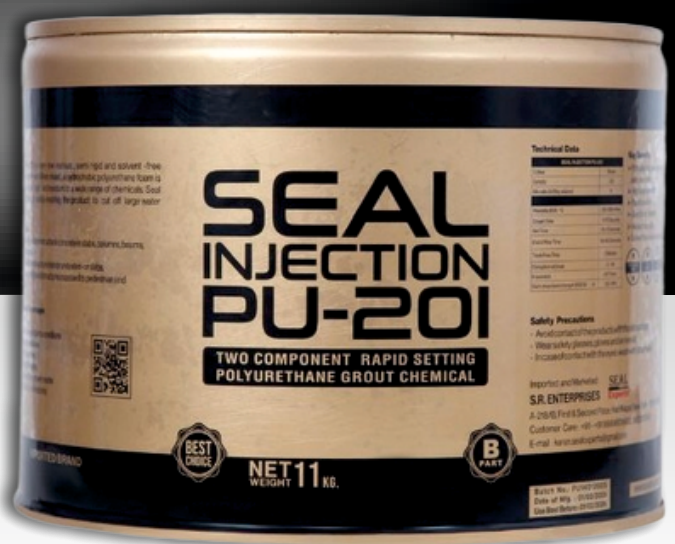
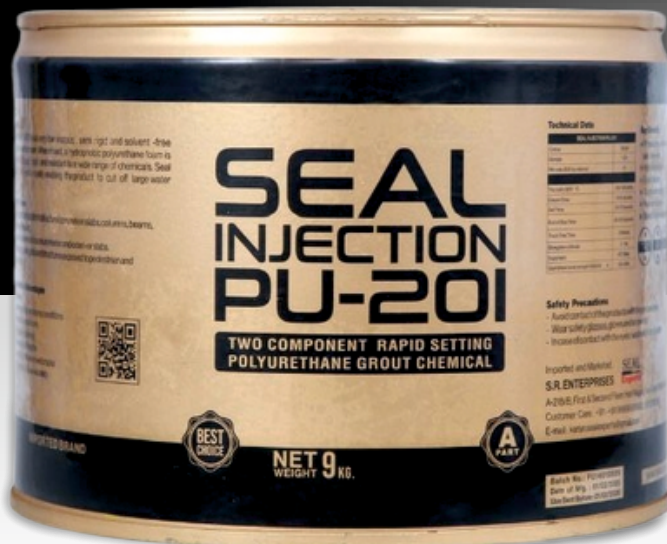
**INJECTION
GROUT RESIN**
Easy Injection, powerful results



**CRACK
EXPERTS**
SOLUTION FOR STOPPING LEAKS

SEAL INJECTION PU-201

**TWO COMPONENT RAPID SETTING
POLYURETHANE GROUT CHEMICAL**



I M P O R T E D B R A N D

AVAILABLE
HERE **9** KG.



AVAILABLE
HERE **11** KG.

www.injectiongroutrsin.com

PRODUCT DESCRIPTION

Crackexpert PU-201 is a pre-blended CFC free polyurethane polyol for two component (2K) rigid foams for injection grouting purposes. The system gives out a foam with a fine rigid cell structure and good inter-laminar adhesion. The system uses SIPANE as our in-house developed eco-friendly blowing agent. The system is injected via a high-pressure twin piston pump in conjunction with a in-built line mixer nozzle into the cracks/voids of walls, roofs, tunnels, etc. The system foams up irrespective of any water contact in the cracks or voids, with a fast reaction profile. The fast reactivity helps the grout to expand quickly and seal off the water flow of cracks and voids immediately. The reactivity of the system increases as and when the system comes in contact of any water or moisture.

Areas of Application

- Cold Storage
- Large Voids
- Roofing Systems
- Dry Fissure Grouting
- Foundation Stabilization
- Pipe Intrusions, Waste Water Tanks
- Restoration Of Existing Concrete Structures
- As A Closed Cell Foam To Prevent Water Leakages
- Tunnels, Dams, Subway (metro), Sewers, Manholes, Utility Boxes, Etc.
- Sealing Against Water Ingress, Leaking Cracks, Joints, Water In Masonry, Brickwork Etc.
- Thermal Insulation of Building Walls, Roofs, Tanks, Vessels and Pipes

Advantages

- Fast reaction
- Excellent bond to surfaces
- Dose not create new cracks
- Negative side application possible
- Deep penetration into very small cracks
- Foam increases in volume to fill cavities and voids
- Good adhesive strength, tolerant of movement
- Inert after curing, constant volume, no shrinkage

APPLICATION

SURFACE PREPARATION

The material should be applied to the prepared surface using Pump that is equipped for high pressure. The mix material react with the water in the structure and foam. The surface is sealed/patched properly to prevent from coming out. Seal Injection PU-201 reacts with water and expands to form a 'fluid wedge' & blocks the leakage. Even gushing leakages can be sealed without it being necessary to block the hydraulic pressure. Due to the low viscosity and expansion during reaction even the smallest cracks, fissures and pores can be impregnated.

Since the chemical reaction is very quick the results are immediately visible. When water is not naturally present in sufficient quantity to assure the desired reaction, a sufficient quantity of water is also required to be injected.

MIXING

Crackexpert PU-201 mix in the ratio of 1:1 by volume. it should not be diluted under any circumstance. Use appropriate solvent for purge line and flushing of equipment and if spraying stops for a period of time in excess of the pot life of the material. Thoroughly mix part RESIN material with air driven power equipment until a homogeneous mixture and color is obtained.



APPLYING AND LAYING

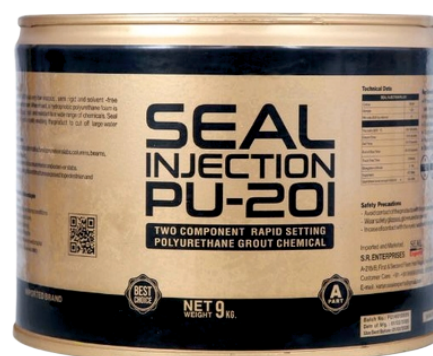
Mixed material are injected using a two component injection pump, equipped with a suitable static inline mixer to achieve thorough mixing of the two components during injection.

CLEAN UP

Clean all tools immediately after use with Seal Experts Paint Remover. Do not allow material to harden.

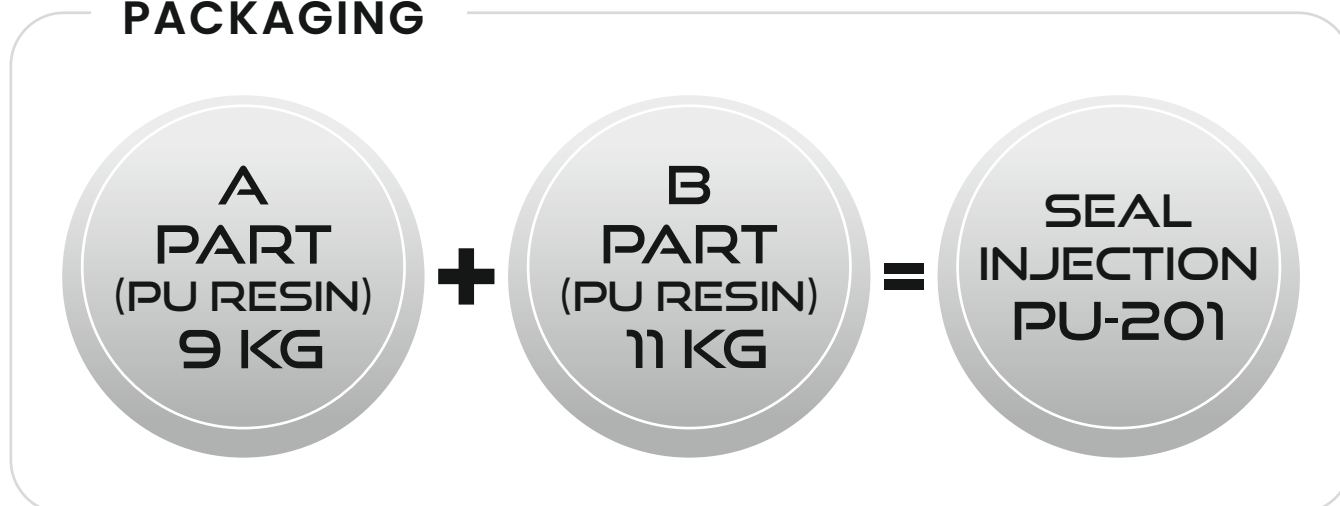
TECHNICAL SPECIFICATIONS

SEAL INJECTION PU-201		
Colour	Brown	
Density	1.23	
Mix ratio (A:B by volume)	1:1	
Viscosity @25 °C	250-300 mPas	
Cream Time	10-15 Seconds	
Gel Time	50-70 Seconds	
End of Rise Time	80-100 Seconds	
Track Free Time	2 Minutes	
Elongation at break	3 - 4%	
Expansion	<20 Times	
Slant shear bond strength BS6319	-4	12.9 MPa



The above reaction characteristics are achieved in the laboratory tests at 21°C via hand mixing with a mechanical stirrer at 3000 rpm. The overall applied density may also vary depending upon processing conditions, including ambient and substrate temperatures, mixing speed and time, water exposure levels, etc.

PACKAGING



STORAGE

The product must be stored out of direct sunlight, weather, and direct external fire sources. The containers must always be kept sealed against moisture. Ideal storage temperature is approximately 25°C or less. Under these conditions, the product will remain stable for 6 months.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



HEALTH AND SAFETY

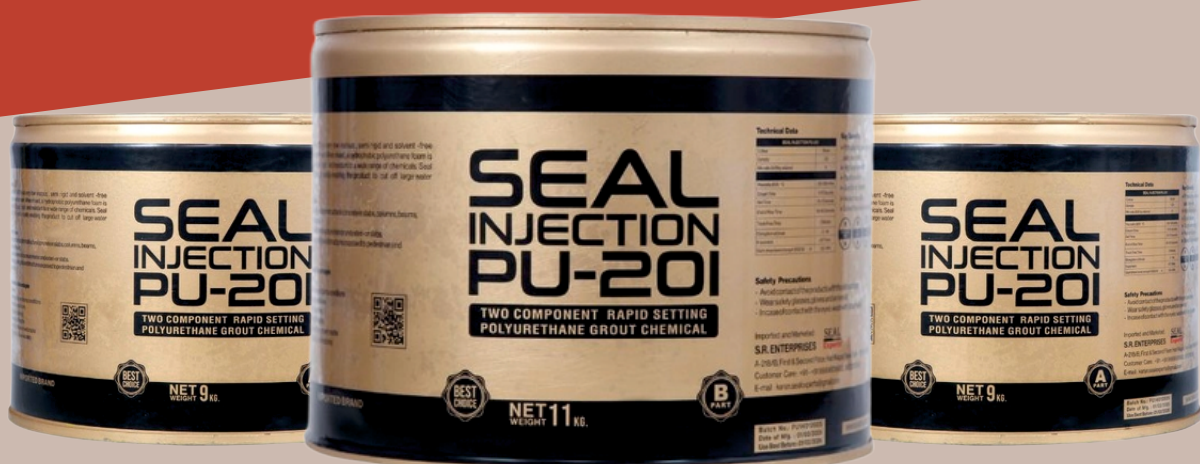
This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- 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.

DISCLAIMER

Crack Expert are guaranteed against defective products though materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request.

Seal Experts wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.





CRACK EXPERTS

SOLUTION FOR STOPPING LEAKS

Contact Us



**INJECTION
GROUT RESIN**
Easy Injection, powerful results

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