

HYDRAFOAM PU

A POLYURETHANE FOAM INJECTON

DESCRIPTION

HYDRAFOAM PU is a hydrophobic polyurethane grout designer to stop water leakages. It is typically injected into cracks in concretes, honeycombed concretes, soils, pipes, pipe intrusions and other voids by use of a high pressure pump.

USES

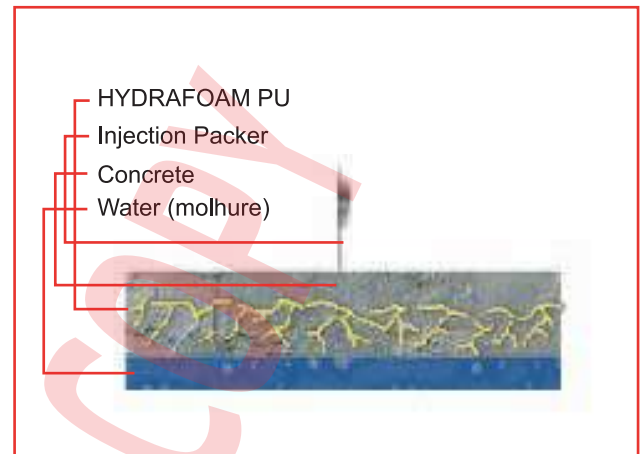
HYDRAFOAM PU is typically used to stop water leaks coming through cracked or honey-combed concrete voids between wall floor, wall and ceiling, expansion joints, cold joints and pipe intrusions. It is used to repair concrete walls, ceilings and floors that are leaking; in tunnels, including limestone, manholes, sewer lines and in concrete dams.

BENEFITS

- As an injection resin for sealing water carrying cracks in buildings and other structures.
- It can be applied using suitable high or low pressure injection packers.
- The product has very low viscosity and very good injection results can be obtained.
- The expansion rate of the material is 20 times of its own volume.

COLOR

Dark Amber



Technical Data:	
No. of Components	2 Part A (resin) & Part B (catalyst)
Solid	100%
Pot life (for 1kg mix at 25°C)	N/A
Viscosity	500 cps
Bulk Density	1.1 kg/l.
Shelf Life (between 5°C to 30°C)	Minimum 12 months
Packaging	Part A: 20kg & Part B: 1kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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CEMKRETE®

ISO 9001 & 14000 CERTIFIED

APPLICATION PROCEDURE

SURFACE PREPARATION

When repairing cracked concrete, 14mm. Diameter holes are drilled at a 45° angle to intercept the crack at approximately ½ its dept. However, in extremely thick concrete interception holes, usually if mold need not need to go any deeper than 300mm. into the drilled holes. 14mm. (O.D) injection ports (packers) with grease nipple are inserted and tightened.

MIXING

Add part A Polyurethane resin, to a clean mixing drum Add Part B, catalyst, to drum and mix for 30 seconds until uniform using a helical spinner.

However, the amount of accelerator may be increased as needed based on the job condition.

APPLICATION

Pump HYDRAFOAM PU through the injection port until evidence of material begins to show on the surface of the concrete. Wait for the material to rise up from the cracks and set. Drill another hole at the point where material quit rising, insert port and repeat.

After initial pumping of all ports go back and pump more material into each one. This may be repeated a third time to be certain the entire crack has been treated. Actively leaking cracks are easier to repair due to the visual evidence of water infiltration stops.

In dry cracks, water may be introduced through the drilled holes by using a water gun or poultry baster to hasten the reaction of the polyurethane. Regardless, there will be enough moisture in the concrete to eventually cause a full cure.

Ensure sufficient materials are available in order to complete the work and obtain continuous fill. Pour from one side only avoid air entrapment. Keep a head on the grout to promote flow. Use cable or chain to make sure that all cavities are filled, when grouting areas of more than 3" in depth, ass up to 25% by weight washed pea gravel that is 3/8" or less in size Curing. After the grout has acquired its initial set, cure by keeping exposed surfaces moist for at least 48 hours.

STORAGE

All parts of HYDRAFOAM PU should be stored properly in original (unopened) packaging in dry conditions at 10-32oC. Shelf life will be 6months minimum.

Exaggerated temperature/humidity ranges can adversely affect shelf life.

HEALTH & SAFETY

Do not take internally and avoid contact of uncured material with skin. It is advisable for workers to wear protective clothing during application. Clean hands and equipment promptly with soap and water. For further information, refer to the product Material Safety Data Sheet, available upon request.

FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make CEMKRETE your partner today. Contact our hotline now.

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