

**PRODUCT DESCRIPTION:** Swelling, flexible, waterproofing acrylate gel sealant for injection in concrete, masonry and foundation soil.

#### AREAS OF APPLICATION

- Water-proof grouting work for underground structures (Subway, tunnel, parking lot, manhole, etc.)
- Water-proof work for civil structure such as dam, etc
- Water-proof work for the ground of concrete structure.
- Water-proof work for leaking area of underground Structure.
- Water-proof work for constructed joint area and cracked areas.

#### ADVANTAGE

- Very good inject ability
- low application temperature
- Durably water-impermeable in moist media
- Reliable sealing/waterproofing due to high elasticity and good swelling capacity
- Readily controllable injection path propagation

#### APPLICATION

- Drilling holes & Installing Packers a. Drill & penetrate holes to the rear side of the concrete structure using hammer drill. b. Drill at intervals of 50cm. c. Install the packers at the holes.
- Preparation of Injection a. Pour the part A into Tank A. b. Pour the part B into Tank B & add water to make it equal to part a quantity. \* The ratio between part A and part B should be 1:1. C. Pour the part C into part A and mix each other. \* Basic mixing ratio is part A (20kg) : part B (20kg) : part C (300g), and it's hardening time is around 3 minute. \* Possible to adjust the hardening time by changing amount of catalyst. \* Because the variation by part C amount is big. so, check the hardening time before injection.
- Injection a. Inject first at low area, and then go to upper area. b. When you find that the resin flows out on the near surface cracks, or the pressure gauge is high, stop the injection. c. Move to other packer, and start injection. \* If water leakage is plenty, increase the part C amount, in order to shorten the hardening time.
- Finishing a. Cut and remove the installed packers. b. Flatten the surface with a grinder. c. Complete the work with finishing materials.

#### CLEAN UP

Clean all tools immediately after use with water. Do not allow material to harden. Any hardened material will need to be removed mechanically.

#### TECHNICAL SPECIFICATIONS

From	Liquid Type
Color	Transparent
Viscosity (KS M 3705)	2.7mPa-s
Compressive Strength(KS L 5105)	0.08 N/mm <sup>2</sup>
Specific Gravity (Cup Method ) (KS M 3705)	1.03
Tension shear adhesive strength	0.84N/mm <sup>2</sup>
Tensile strength ( KS F 4923)	0.34 N/mm <sup>2</sup>
Permeability Coefficient	Not Permeability
Appearance	Colorless and Transparent
PH (20°C)	7.5-9.5
Gel Time (20°C)	5sec – 2 min
Mixing Ratio	A part (20kg) : B part (20kg) :C part (300g)
Shelf Life	1year when unopened and undamaged
Storage Condition	Store in a dry cool place

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

#### PACKAGING

A part 20kg, B part 350g, C part 300g.

#### STORAGE

Store the material at temperatures between + 10° C and + 45° C in originally sealed packages, the material can be stored for 12 months. But before opening the drums, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly to avoid moisture contamination and dry.

# FIBGROUT ACS 808

Waterproofing acrylate gel sealant

Product # 114.86

Version no: 16.11.23

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Tech

## 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:

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