

Description

ACY-808 is an acrylic system with 3-components mixed for curing water-stoppage and for curtain grouting which is developed for making much of safety and durability, forms as a gel type, with excellent elasticity, passable, swelling power, durability, etc. ACY-808 is used for curtain grouting injection in tunnels, subways, building basements etc. It exhibits the water-stoppage and ground settling agent effect. It has no leaching of liquid gel, (a weak point of the existing polyurethane) and is safe even for underground structures. ACY-808 has semi-permanent durability and not toxic (or) polluting product.

Usage

- Water-proof grouting work for underground structure (Subway, tunnels, parking lots, manhole, etc)
- Water-proof work for civil structure such as dam.
- Water-proof work for the ground of concrete structure
- Water-proof work for leakage area of underground structure
- Water-proof work for constructed joint area and cracked area

Technical & Physical Data

Form	Liquid type
Color	Transparent
Viscosity (KS M 3705)	1.4 mPa-s
Compressive strength (KS L 5105)	0.08 N/mm ²
Specific gravity (Cup method) (KS M 3705)	1.03
Tension-shear adhesive strength	0.84 N/mm ²
Tensile strength (KS F 4923)	0.34 N/mm ²
Permeability coefficient (KS F 2322)	Not permeability
Appearance	Colorless and transparent jelly
PH (20°C)	7.5~9.5
Gel time (20°C)	5 sec. ~ 2 min.
Packaging set	A agent (20kg), B agent (20kg), Catalyst (300cc)
Storage condition	Store in a dry & cool place
Shelf life	1 year when unopened and undamaged.



How to use

1) Mixing the acrylic powder with water and then make B agent.

Comply with the mixing ratio as under:

Mixing ratio is the Acrylic powder (B, 350g/pack) and water (19.5 liters).

2) Mix A agent (Acrylic resin) by adding C (Accelerant).

Amount of accelerant	Hardening time
80g (0.40%)	1m30s ± 10s
160g (0.80%)	50s ± 10s
320g (1.60%)	25s ± 10s

3) Comply with the mixing ratio between A agent and B agent.

Mixing ratio is at a one to one. (A : B = 1 : 1)

Note : 1) The amount of accelerant may vary depending on the temperature based on 20°C.

2) The hardening time may vary depending on the workplace temperature.

Before we do the job, we have to check the hardening time of the product as a sample test.

Storage

Keep away from direct sunlight and store in a dry & cool place