

# Grouting

[Http://www.jeilchemical.com](http://www.jeilchemical.com)

## JPS-180

### 1. Product use

- 1) Used in concrete structure for adhesive in damage part. JPS-180 is Grouting injection for safety.
- 2) Solvent free mid-viscosity for grouting, it has high adhesive strength, penetrating and low shrink. JPS-180 is for crack width 2 mm ~ 5 mm

### 2. Features

- 1) Two component type Epoxy Resin.
- 2) Room temperature curing type, also curing at low temperature.
- 3) It offers exceptional mechanical and chemical resistance strength after curing.

### 3. Others

- 1) Storage requirements
  - a. Store at 18~25°C and humidity 65%
  - b. Storage box should be sealed.
  - c. Prohibit exposure to moisture and direct light
  - d. Prohibit fire: it has risk of fire because of resin and solvent.
- 2) Shelf life  
12 month from date of manufacture
- 3) Curing condition
  - a. Mixing ratio :Resin : Hardener = 100 : 50 (wt%)
  - b. Degradation of physical properties if not follow mixing ratio.

c. Pot time is decreasing if mixture quantity increasing.

d. temperature(25°C±5°C), humidity(60% RH)×24Hrs

### 4. Properties (Temperature:25°C, Humidity:45%)

Item	Unit	Resin	Hardener
Color	-	Clear	Brown
Viscosity	Cps / 25°C	250±50	800±100
Specific gravity	-	1.15±0.05	1.15±0.05
Pot life	min	40(100g X 25°C)	
Tensile strength	N/mm <sup>2</sup>	30 More than	
Flexural strength	N/mm <sup>2</sup>	60 More than	
Compressive strength	N/mm <sup>2</sup>	60 More than	
Tensile bond strength	N/mm <sup>2</sup>	10 More than	
Impact value	Kg cm/cm <sup>2</sup>	1.0 More than	
Hardness	Shore D	70 More than	

**JPS-180**

987-4, GO-YEON RI, UNG-CHON MYEON, ULJU-GUN, ULSAN, KOREA

JEF-QC-037

(주)제일화성

A4(210mm X 297mm)