

# ROCKMAX<sup>®</sup> PU200



## ONE COMPONENT ELASTIC & FLEXIBLE POLYURETHANE INJECTION TO STOP WATER LEAKAGE IN MOVEMENT CRACKS

### INTRODUCTION

**Rockmax PU200** is a one component hydrophobic elastic & flexible polyurethane injection resin. The material reacts when contact with water and creates expansion and high flexible & elastic solid type of foam to stop and displace coming pressure water leakage. Unlike the conventional polyurethane foam injection, the cured material provides good flexible and elongation designed for the movement joints or any settlements of the structures. The material is crack sealing permanently.

### AREA OF USES

**Rockmax PU200** can be used to stop water pressure leakage permanently in concrete and masonry. It designed especially for movement joints, cracks and settlement or displacement in the buildings/structures where conventional hydrophobic polyurethane injection (closed cell type) can not use.

### ADVANTAGES

- Permanent sealing crack.
- Excellent elasticity and flexibility.
- Good bonding to concrete.
- Good expansion.
- Good tear and puncture resistance.
- High resistance to water pressure.
- Only material that can use for stop water pressure leakage in movement joints.
- No use of catalyst make it easy application.
- One step system.

### TECHNICAL PROPERTIES

Color:	light yellow liquid
Viscosity (at 25°C):	250±50 cps
Mix density (at 25°C):	1.10 g/l
Pot life (at 25°C):	45 minute
Reaction time (at 25°C):	20 - 45 second
Expansion time (at 25°C):	60 - 150 second
Non sticky time (at 25°C):	5 minute
Volume expansion:	1 : 20
Application temperature:	+5°C to +45°C

### PREPARATION

Crack line or leak area must be structurally sound, clean and free from oil, dust, cement paste, existing sealants and other

contaminants. Remove all loose materials by wire brush or mechanical means.

### APPLICATION

This below application or installation method is for guide line only. The detail installation method must be provided upon request and depend on project details.

Drill injection holes by electrical drill at approximate half depth of thickness of concrete with 45 degree angle. The distance between hole is 150mm to 500mm depend on width of crack. Install packer (recommended ½ inch) in to injection hole. Use wrench to tight the packer. Packer size depend on crack width and depth of concrete structures. Please consult **Rockmax** for more information.

Stir the material by hand using electric mixer for 30-45 second. Use electrical single component pump to inject the material. Inject the material from bottom to top with carefully monitor the material and pressure. After finished re inject again from top to bottom to ensure all cracks are full fill with materials.

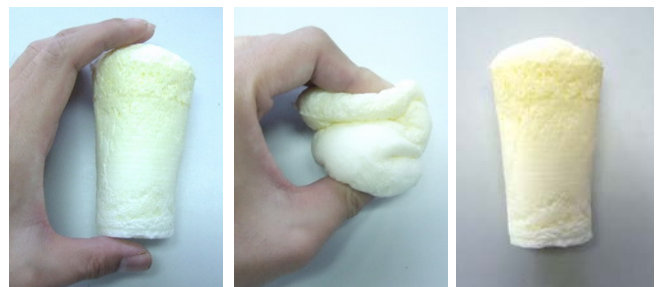
### CLEANING

Clean all tools and equipments immediately with solvent.

### LIMITATIONS

- Experience trained applicators was required to involve this type of material.
- Do not work near flammable area.
- Avoid contact this material.

### ELASTICITY



### PACKAGING

20kg pail.

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## STORAGE

Storage in shade and dry condition free from frost, water, moisture and high temperature.

**Rockmax PU200** must be store in air tight container. Must protect from atmospheric moisture. Must be store in area where temperature around 10°C – 30°C degree.

## SHELF LIFE

12 months if kept follow instructions.

## PRECAUTIONS

Avoid contact with skin and eye. Goggle and glove must be use while application. Clean with plenty of water and soap when contact with and see doctor as quick as possible. MSDS is available upon request.

## CONTACT DETAIL

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### **IMPORTANT NOTE!!**

*The technical information contained herein, while not guaranty, was prepared and approved by technical personnel and is true, accurate to the best of our knowledge. No warranty or guaranty is made regarding performance, stability or other factors beyond our control. Rockmax will welcome to be consultation of our performance and application. This technical datasheet supersedes and issue new edition without prior notice.*