

# ROCKMAX<sup>®</sup> SWELLING 201

## SWELLING SEALANT IN CARTRIDGE



### INTRODUCTION

**Rockmax Swelling 201** is a gun applied, single component, hydro reactive expansion sealant use for all kinds of construction joints and pipe penetrations in concrete.



### AREA OF USES

**Rockmax Swelling 201** can be used for seal and watertight all kinds of construction joints in concrete, pipe penetrations, seal between precast concrete elements, H-beam penetration, king posts, rough surface construction joints, use as secondary protection for PVC waterbars, crack sealing.

### ADVANTAGES

- Excellent swelling rate.
- Elasticity.
- Can apply on damp surfaces.
- Good adhesion to concrete, steel, glass, PVC, HDPE.
- Can apply on rough/irregular surfaces.
- Durability.
- Easy to apply by gun.

### TECHNICAL PROPERTIES

Color:	Grey
Form:	Elastic paste
Specific Gravity:	1.20
Hardness Shore A	
Non swell:	25-35
Swell:	>10
Solid content:	98%
Expansion volume (%)	
Water:	>120%
Salt water:	>50-60%
Tack free time:	60-180 minute
Curing time (3mm thick):	24 hours
Concrete pour time:	Allow 4-8 hours
Application temperature:	+5°C to +40°C

### SURFACE PREPARATION

The joint surface must be clean, dry and free from dust, loose particles, oil, curing compound. No standing water on the joint surface.

### PROFILE SIZE

Concrete thickness	Size	Covering
100-200mm	10mm	50mm
200-300mm	15mm	70mm
300-500mm	20mm	100mm

### COVERAGE RATE (guide only)

Size	Length (for 300ml)
10mm	3-4 meter
15mm	2-3 meter
20mm	1-2 meter

The coverage rate shown above is only guide line for calculate the amount of material to be use. The actual consumption depended on many factor such as roughness of surface, skill of applicators and etc.

### APPLICATION

Cut the plastic nozzle as per required thickness and profile. The size of sealing material is depended on the thickness of concrete joint. Apply the material continuous so there is no break in the joint. Allow 4-8 hours before pour concrete.

### LIMITATIONS

- Do not use for expansion or movement joints.
- In totally dry state the sealing material can shrink to the original dimension and swell again when contact with water (wet/dry cycle).
- Place the sealing material in the center of the joints and follow covering detail.
- Protect from water and rain during application.
- Do not apply on joint surfaces have standing water.

### PACKAGING

300ml cartridge.

### STORAGE

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

### SHELF LIFE

6 months if kept follow instructions and un-open.

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### PRECAUTIONS

**Rockmax Swelling 201** is not hazardous during normal condition use. It is recommended to take the safety standard and precaution for application and storage. MSDS is available upon request

### CONTACT DETAIL

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#### **IMPORTANT NOTE!!**

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