

ROCKMAX[®] TUNNELSTOP

HYDROPHILIC STRIP FOR PRECAST TUNNEL SEGMENTS



INTRODUCTION

Rockmax Tunnelstop is a hydrophilic rubber sealing material strip for sealing joints in precast concrete tunnel segments. It's designed for especially high water pressure. **Rockmax Tunnelstop** is formulated from high grade elastomeric material and hydrophilic resins. It will swell (more than 300%) when contact with water to perform internal pressure inside the joints against the water leaks.

AREA OF USES

Rockmax Tunnelstop designed especially for precast concrete tunnel segments with and including underground precast structures, steel and concrete joints and various civil engineering construction projects.

ADVANTAGES

- High water pressure resistance.
- High swelling rate (>300%).
- Stability and long term services.
- Durability.
- Can tailor of profile and size to fit the design segments.
- Not affected by repeat wet and dry cycles.
- No problems with compression or abrasion during installation segments.
- Easy to install.

TECHNICAL PROPERTIES

Colour: black
Specific Gravity: 1.20±0.5
Hardness Shore A: 46±3
Tensile Strength: >2.0 N/mm²
Elongation: 300 - 400%
Services temperature: -20°C to 70°C degree

Note:

The percentage of elongation depended on alkaline and other contaminants in the water. Our test results were based on control environments and temperatures.

PREPARATION

The groove joints must be clean and free from oil, grease, dust, dirt, mould oil, cement paste and other contaminants. Ensure the concrete joints is sound and dry. No crack, damage, holes on concrete surface. Repair must be made prior to install waterstop strip. The water could enter from those damaged concrete.

APPLICATION

Apply **Rockmax Tunnelstop Adhesive** along the joints. Allow adhesive to curing and become tacky. Apply the **Rockmax Tunnelstop** strip to the substrate. Use rubber hammer to finish the strip lightly. Connection joints by butted together only. Do not overlap. Keep the installed waterstop strip in shade and do not exposed to rain water or ground water.

STANDARD PROFILE

Type M

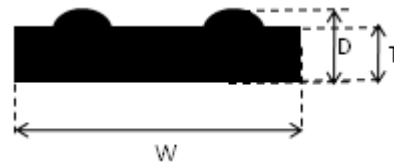


Profile size:

20mm x 5mm

20mm x 10mm

Type K



Profile size:

20mm x 5mm

CLEANING

Clean all tools and equipments immediately with water.

LIMITATIONS

- Do not expose in weather, rain, ground water.
- Do not joint by overlap. Use butt joint only.

PACKAGING

20mm x 5mm: 15meter/roll.

75 meter/box

STORAGE

Storage in cool and dry condition free from frost, water, moisture and high temperature. Avoid sunlight. Storage temperature between 5°C and 40°C degree.

SHELF LIFE

12 months if kept follow instructions.

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PRECAUTIONS

Rockmax Tunnelstop is not hazardous during normal condition use. It is recommended to take the safety standard and precaution for application and storage. Provide sufficient ventilation.

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IMPORTANT NOTE!!

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