

# ROCKMAX<sup>®</sup> HYBAND

## HYPALON STRIP FOR HIGH MOVEMENT JOINT



### INTRODUCTION

**Rockmax Hyband** joint system is the system use for high movement and high resistance of chemical and water ingress to joint of buildings or structures. The system consists of hypalon rubber membrane and two part epoxy adhesive. Its design to subject to high movement such as joining between two buildings that conventional gun applied sealants can not be used.

### AREA OF USES

**Rockmax Hyband** can be used to seal joint in car park decks, podiums, balconies, walkways, basements, swimming pools, silos, tunnels, bridges, water tanks, immersed water structures and use to seal crack on concretes.

### ADVANTAGES

- Touch, flexible joint flashing.
- Accommodates continuous and pronounced cyclic movement.
- Excellent resistance to UV and weathering.
- Excellent waterproofing joint.
- Can use for portable water tank.
- Can use by dry or damp surface.
- Excellent adhesion to most construction materials.
- Rot resistance.
- Resistance to wide range of chemicals.
- Can use for joint subject to water pressure both positive and negative.
- Thermoplastic elastomer, overlap welding by hot air blower.

### TECHNICAL PROPERTIES

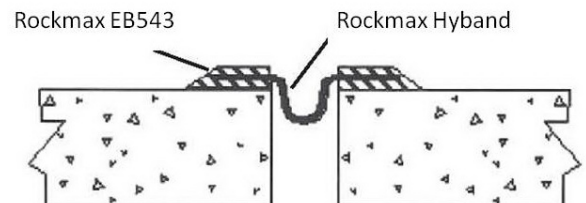
Color:	grey
Form:	membrane
Thickness:	2 mm
Hardness Shore A:	80
Tensile strength:	6 N/mm <sup>2</sup>
Elongation at break:	525 % to 600 %
Temperature of application:	-30°C to +50°C
Temperature of services:	-30°C to +80°C
UV resistance:	Very good
Chemical resistance:	Very good
Water immersion resistance:	Excellent
Resistance to spill salt water:	Excellent

### PREPARATION

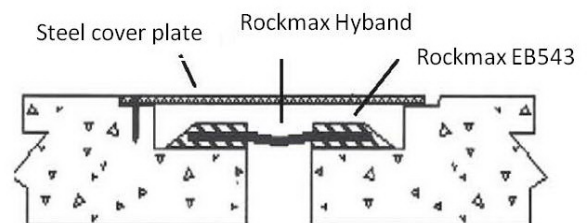
The joints must be clean and dry. Remove all dirt, dusts, cement pastes, oil, grease and other contaminants. Concrete substrate age must be

minimum 4 weeks old. Make sure the joints are in good condition and good shape. The repair and structural sound of joint surface is required by mechanical mean. Joints edge must be straight and sharp. Damaged joints edge must be repair by epoxy mortar or consult **Rockmax** for further advice.

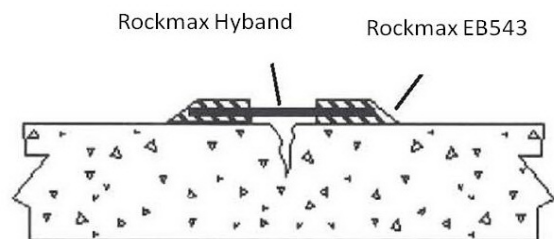
### TYPICAL DETAIL



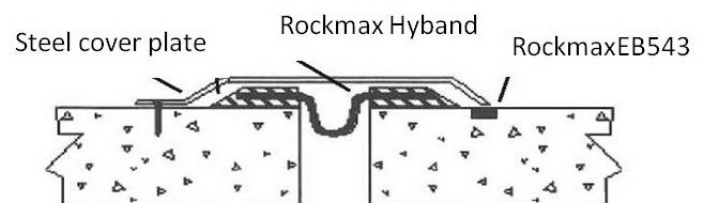
Expansion joint - high movement



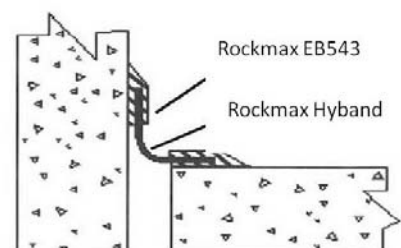
Recessed joint with cover plate



Crack repair - low movement



Car park with cover plate - high movement



Perimeter joint - wall to floor

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## HYPALON STRIP FOR HIGH MOVEMENT JOINT



### PREPARATION OF MEMBRANE

Activate the membrane with **Activator H** (pack with membrane together). Apply it with cloth that does not leave threads.

### PREPARATION OF EPOXY ADHESIVE (ROCKMAX EB543)

Please refer to **Rockmax EB543** technical data sheet.

### APPLICATION

1. Apply the epoxy adhesive along the side line of joint with 2cm beyond the membrane. Apply adhesive thickness is approximate 1-2mm.
2. Lay the membrane on the epoxy adhesive within 30 minute. The membrane must lay at 5cm from edge of joint.
3. Press the membrane using pressure rollers until the adhesive protrudes through punch-holes of the membrane.
4. Finish by applying 1 or 2mm coat of epoxy adhesive on top of membrane.
5. Allow the epoxy adhesive to dry approximate 45 minute before subject to water.

### HOW TO JOINING MEMBRANE

Joining membrane is using hot air blower following with pressure roller. The overlap of membrane is at least 50cm.

For high movements or very wide joints put part of the membrane toward inside of the joint making a "U" shape.

### CLEANING

Clean all tools and equipments immediately with white spirit or acetone.

### LIMITATIONS

Chemical resistance to salt water, certain acids and diluted bases will depend on the concentration, the exposure temperature and the tank conditions.

### PACKAGING

Roll length: 20meter

### STORAGE

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

(min-max +5 to +40°C). Do not expose to sun light.

### SHELF LIFE

Unlimited in its sealed original packaging.

### PRECAUTIONS

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

### CONTACT DETAIL

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### *IMPORTANT NOTE!!*

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