

ROCKMAX[®] ROOFSEAL V1

LIQUID APPLIED ELASTOMERIC ACRYLIC WATERPROOF



INTRODUCTION

Rockmax Roofseal V1 is one component water based acrylic liquid waterproofing membrane. The special integral micro reinforcement improves tensile strength and increase durability of coating. The product provides high elasticity and good watertight to its structure.



AREA OF USES

- Flat exposed concrete roof.
- Concrete gutter.
- Steel gutter.
- Façade.
- Metal sheet roofing system.
- External wall cladding.
- External concrete joints.

ADVANTAGES

- Excellent flexibility.
- Excellent elongation.
- Excellent adhesion.
- Good tensile strength.
- Good puncture resistance.
- Crack bridging ability.
- UV resistance.
- One part ready to use.
- Durability.
- Algae resistance.
- Foot traffic.
- Nice appearance.

TECHNICAL PROPERTIES

Color:	white or grey
Form:	liquid
Chemical base:	acrylic polymer
Solid content:	65-70% by weight
Specific gravity:	1.25-1.30
Shore A hardness:	40-50
Elongation at break:	>250-300%
Tensile strength:	>2.4 N/mm ²

Adhesion to concrete:	>1.5 N/mm ²
Crack bridging at 2mm:	pass
UV resistance:	excellent
Pot life (30 °C):	45 minutes
Re-coating (30 °C):	2-4 hours
Full cure (30°C):	7 days
Application temp:	+5°C to +40°C
Coverage rate:	
First coat:	0.20 kg/m ² /coat
Body coat:	0.30 kg/ m ² /coat
Number of coats:	min 3 coats
Total thickness (DFT):	1 mm

PREPARATION

Concrete substrate must be sound, clean, free from oil, grease, mould oil, dust, loose particles and cement paste. Ensure the surface is dry and free from standing water. The moisture content in concrete substrate must be check with limited not more than 5% moisture contents. Investigate void, honeycomb, or crack on concrete substrate. All damaged must be repair prior to application. All joints and corner must be treated with **Rockmax PUseal**.

PRIMING

Apply one coat of dilute **Rockmax Roofseal V1** with water at 1:1 ratio to prepared surface at approximate 0.2kg/m² per coat by roller. Allow the prime coat to dry at 1-3 hours prior to apply body coats.

APPLICATION

Mixer must use low speed drill mixer (500 rpm) with and including good quality steel paddle. Make sure all tools and equipments are in good conditions and clean. Stir **Rockmax Roofseal V1** by mixer at approximate 1 minute until uniform homogeneous.

Apply First coat of **Rockmax Roofseal V1** by roller with coverage rate at 0.30 kg per m² per coat. Allow the first coat to dry at 2-4 hours before next coat. Apply second and third coat to achieve 1mm total thickness (DFT). Follow first coat application method. Fiber mesh might be used between the first coat and second coat. The thickness of product depends on number of coats, application method, substrate quality and other factors related to application. In case of spray method, please consult **Rockmax** for more information.

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CURING

Protect **Rockmax Roofseal V1** by plastic sheet from rain and water. The material is self curing and full cure is approximate 7 days prior to open to traffic.

CLEANING

Clean all tools and equipments immediately with water.

LIMITATIONS

- Do not apply **Rockmax Roofseal V1** in area of immerse water.
- The moisture content in concrete must be less than 5%. Consult **Rockmax** for advice.
- Higher temperature (>40°C) is not recommended for application.
- Concrete substrate must be at least 28 days old.

PACKAGING

23kg pail.

STORAGE

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

SHELF LIFE


12 months if kept un-open and follow instruction.

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 available upon request.

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.

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