

ROCKMAX[®] PROOF H1

HIGHLY FLEXIBLE CEMENTITIOUS WATERPROOF



INTRODUCTION

Rockmax Proof H1 is a two component polymer modified highly flexible, non-shrinkage, cementitious waterproofing system with excellent elongation and good adhesion to substrate especially for critical waterproofing area such as swimming pool & suspended water tank and under hydrostatic pressure area. The cured material provides waterproofing membrane and permanently waterproofing. The material can withstand high temperature range between +5°C up to +200°C degree.

AREA OF USES

- Suspended swimming pools.
- Super structure waterproofing.
- Large water tanks.
- Suspended water tanks.
- Balconies.
- Roof desks with toppings.
- Critical waterproofing areas.
- High temperature waterproofing areas such as cooling towers.

ADVANTAGES

- Excellent flexibility & elongation.
- Excellent adhesion.
- Temperature resistance up to 200°C
- Pre-measure, Easy application.
- Seamless & fully bond.
- Can apply on damp surface.
- Non-shrinkage and crack covering.
- Can be paintable.
- Can stick tile or finished on top.
- Non toxic.
- Can apply on masonry and rough surface.

TECHNICAL PROPERTIES

Color:	dark grey
Form (mix):	slurry
Chemical base:	polymer & cement
Mix Ratio (A:B):	1:1
Density (mix):	approx 1.5 gram/litre
Polymer content:	>50%
Elongation at break:	>250% (1.5mm)
Bonding strength	
to concrete:	1.5 N/mm ²
Tensile strength:	2.0 N/mm ²
Tear strength:	1.3 N/mm ²
Crack bridging ability:	approx 1.5-2.0mm
Temperature resistance:	+5°C to +200°C
Resistance to water penetration:	Pass (24hrs)

Pot life (30°C):	45 minute
Re-coat time (30°C):	2-3 hours
Full cure (30°C):	3 days
Tiling or plastering:	3 days after application
Consumption:	1.0 kg/m ² /coat
1 mm thickness:	1.6 kg/m ²
Number of coat:	minimum 2 coats
Application temp:	+5°C to + 45°C

Note: The figures are theoretical and test on control environment laboratory. Actual measured data may vary due to circumstances.

PREPARATION

Concrete substrate must be sound, clean, free from oil, grease, mould oil, dust, loose particles and cement paste. Check and investigate void, honeycomb, or crack on concrete substrate. All damaged must be repair prior to application. Special render mortar or special masonry must be check bonding strength of **Rockmax Proof H1** to ensure achieve the require strength. Saturated surface with water at least 2-3 hours prior application.

MIXING

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. Add **Rockmax Proof H1** part A into part B slowly while continue mixing. Mix approximate 3 minute until homogeneous and lump free. Do not add more water to rework.

APPLICATION

Apply **Rockmax Proof H1** by plastic brush on prepared surface with approximate 0.5-1.0mm per coat. Allow the first coat to dry approximate 2-4 hours before start second coat. Apply second coat in crossing direction from first coat. Allow second coat to dry at 2-3 hours before start curing.



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CURING

Allow **Rockmax Proof H1** curing by spray clean water 3 days after material dry. Keep **Rockmax Proof H1** moist to prevent rapid drying up. Protect the area from damaged before finishing or tiling.



CLEANING

Clean all tools and equipments immediately with water. Dry material must be removed by mechanical means.

LIMITATIONS

- **Rockmax Proof H1** must be mix with properly equipment. Do not mix by hand.
- Do not install at ambient temperature below 5°C
- Do not add additional water for rework.

PACKAGING

36kg set.

Part A: 18kg and Part B: 18kg

STORAGE

Storage in shade and dry condition. Avoid from frost, water, moisture and high temperature. Store between +5°C to +45°C.

SHELF LIFE

12 months if kept 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 upon request

CONTACT DETAIL

THAILAND

Rockmax Company Limited

T: +66 2 8648658

F: +66 2 4184327

E: info@rockmax.net

W: www.rockmax.net

VIETNAM

Viet Dai Viet Chemical Company Limited

T: +84 86 2615184

F: +84 86 2615185

E: rockmaxvn@gmail.com

IMPORTANT NOTE!!

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