

ROCKMAX PU98

HEAVY DUTY POLYURETHANE SCREED FLOORING SYSTEM



INTRODUCTION

Rockmax PU98 is a four components heavy duty polyurethane screed flooring system with solvent free, seamless and texture matt finished. Provide excellent resistance to chemical, impact, abrasion and hot water steam impact include very good resistance in thermal shock. Design for 5-9 mm thickness.

AREA OF USES

- Cold rooms and freeze rooms.
- Drink and food production areas.
- Food, fish and meat processing areas.
- Beverage manufacturers.
- Pharmaceutical factories.
- Chemical processing plants.
- Textile production areas.

ADVANTAGES

- Excellent chemical resistance.
- Anti skid surface for safety.
- Excellent abrasion and impact resistance.
- Monolithic flooring system.
- High resistance to thermal shock.
- Seamless.
- Steam and hot water impact resistance.
- Excellent temperature resistance from -40°C & +120°C (9mm thickness).
- No solvent.

TECHNICAL PROPERTIES

Color: grey, green, cream

Density: 2.1

Compressive strength: > 60 N/mm²

Flexural strength: >15 N/mm²

Tensile strength: >7 N/mm²

Bond strength: concrete fail

Temperature resistance: -40°C & +120°C

Pot life (at 28°C): approx 15-18 minutes

Coefficient of thermal expansion: $2.5 \times 10^{-5} \text{C}$

Thickness: 5-9mm

Initial setting: approx 12-24 hours

Final curing: 28 days

Working temperature: 10°C - 40°C

Temperature should not fall below 5°C in 24 hours after application.

Coverage rate (approximate):

2.1 – 2.3 kg/m² / mm.

Note: Slightly yellowing of the floor surface may occur as the floor exposed to direct sunlight but not effect the performance of flooring.

PREPARATION

Concrete must be sound, clean and free from cement paste, dust, dirt and any other contaminants. The surface must be treated by mechanical means such as shot blasting, grinding, scabbling or water jet for increase bonding between substrate and flooring system. Concrete must be at least 25N/mm² Compressive strength and minimum tensile strength (pull off) at 1.5 N/mm². The concrete surface must be visibly-dry no dark areas on concrete surface which excess moisture. The working ambient and surface temperature should not below 10°C while installation. All movement joints must be prepared prior to installation flooring system. If moisture content in concrete higher than 4% Moisture Barrier must be applied. All groove joints must be prepared at approximate 5mm width x 5mm depth around the edge, intersection, joints, drains, gutters, plinths.

PRIMING

Use Rockmax PU54 as scratch coat by apply at 1mm thickness.

MIXING

Mixer must use low speed drill mixer (500 rpm) with and including non-aerating steel paddle such as jiffy paddle. Make sure all tools and equipments are in good conditions and clean. Add part A and part B into the mixing drum. Mix for 15 seconds. Add part C and part D and further mixing for 1-2 minute to achieve fully homogenized consistent mortar.

APPLICATION

Trained and approved specialist applicator was required to be installed this products. Pour product onto prepared surface using steel trowel to compact and finish. Follow immediately with spike roller to reduce pinholes.

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CURING

Protect flooring system from foot traffic at approximate 8 - 10 hours and 24 hours for light vehicle traffic. Services operation must be at least 28 days.

CLEANING

Clean all tools and equipments immediately with thinner or solvent.

LIMITATIONS

- Do not installation on asphalt, timer, stainless steel, aluminium, tile, bricks and normal cement screed.
- Installation temperature should not below 10°C degree.
- Use only non-aerating paddle.
- Any damaged to floor can not be repaired easily.

PACKAGING

32kg set.

part A: 3 kg

part B: 3 kg

part C: 14 kg

part D: 12 kg

STORAGE

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

SHELF LIFE

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. If mixed resin comes into contact with skin it must be removed before it hardens with a resin removing cream such as kerocleanse standard grade, Skin Cleanser, followed by washing with soap and water. Do not use solvent. Do not expose to flames or other sources of ignition. No smoking allowance.

PRECAUTIONS

Avoid contact with skin and eye. Normal safety and hygiene should be followed.

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: +84862615184

F: +84862615185

E: rockmaxvn@gmail.com

IMPORTANT NOTE!!

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