

ROCKMAX[®] LEVEL N11

CEMENTITIOUS SELF LEVELLING SUBFLOOR



INTRODUCTION

Rockmax Level N11 is a single component thin layer, smooth, self levelling and free flowing cementitious compound subfloor. It is designed for rigid and hard underlayment such as concrete, screed, mortar. The material comprise of selected grade filler, high grade cement and special additive. The mixed material provides free flowing and self levelling mortar. It can be applied up to 3-5mm thickness.

AREA OF USES

Rockmax Level N11 is used to levelling the uneven surface from 3-5mm thickness prior to received floor covering such as vinyl tiles, ceramic tiles, timer floors, carpets, parquet floors, access floors or membranes.

ADVANTAGES

- Very good free flowing ability.
- Easy application, one component.
- Can apply up to 6mm thickness.
- Foot traffic at 4 hours at 30°C degree.
- Suitable with concrete & screed surface.
- Ready to install floor covering within 16 hours.

TECHNICAL PROPERTIES

Color: grey cement powder

Density: approx 1.40 kg/litre

Mixed Density: approx 2.10 kg/litre

Working time:

At 20°C : 25 – 30 minute

At 30°C : 20 – 25 minute

Initial setting:

At 20°C : 40 minute

At 30°C : 35 minute

Final setting:

At 20°C : 60 minute

At 30°C : 50 minute

Foot traffic (30°C): 4 hours

Apply floor covering (30°C): 48 hours

Application temperature: 5°C – 35°C

Compressive Strength:

1 day : 8 N/mm²

7 days : 21 N/mm²

28 days : 30 N/mm²

Tensile Strength:

1 day : 2 N/mm²

7 days : 5 N/mm²

28 days : >7 N/mm²

Coverage rate: 1.80 - 2.10 kg/m²/mm

Nominal thickness: up to 6 mm

Recommended thickness: 3-5mm

Note: Do not apply **Rockmax Level N11** on wet, rising damp, non porous, existing resin floor, existing floor covering, asphalt, bitumen, soft & weak and polish substrate without special preparation. Please consult **Rockmax Technical Services** for more information.

PREPARATION

The surface of substrate must be sound, clean and free from dust, oil, grease, paints and all contaminants on the floor. It is recommended to increase adhesion by mechanical means method such as grinding, light scrubbing. Concrete substrate must be at least 28 days old minimum 1.5 N/mm² tensile strength. All cracks, voids, holes must be repair prior to apply material. Small trial areas must be test the adhesion prior apply the whole floor area.

PRIMING

Apply Primer use **Rockmax Level Primer** and apply on substrate such as concrete or cement screed.

MIXING

Mixer must be low speed drill (500rpm) with steel paddle. Measure clean water between 5.20 – 5.80 litre for 25kg bag and put into the bucket. Pour material in to the bucket and mix by electrical mixer. Mix for 3 minute until homogeneous. Recheck the mixed material is consistent in color and mortar. The material is ready to pour.

APPLICATION

Pour the material on the primed subfloors. Use steel trowel to spread the material. The material will flow within working time approximate 20 minute and keep checking the thickness of subfloor by gauge. Use spike roller to remove air bubble immediately. The high ambient temperature (above 35°C) environment, must be use cool water and work in shade area.

CURING & PROTECTION

No need special curing method. Protect the applied area from wind, moisture, water and sunlight. Do not foot traffic before 4 hours.

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CLEANING

Clean all tools and equipments immediately with water.

LIMITATIONS

- Water for mixing should be adjusted prior to apply large area.
- Adhesion test of substrate must be check prior to apply material.
- Concrete substrate must be at least 28 days old.
- Internal use only.
- Do not use as exposed surfaces.

PACKAGING

25kg bag.

STORAGE

Storage in shade and dry condition at 10-30°C. Avoid from sunlight, frost, water, moisture and high temperature.

SHELF LIFE

12 months if kept follow instructions.

PRECAUTIONS

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. MSDS available upon request.

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IMPORTANT NOTE!!

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