

TECHNICAL DATA SHEET

# EL16 SELF LEVELLER

## External/Internal Self Levelling Compound

### DESCRIPTION

Rockbond EL16 Self Leveller (RB 2.21) is a highly water resistant, self-smoothing, self-levelling cementitious compound specifically designed for repairing and resurfacing of both interior and exterior concrete surfaces. Rockbond EL16 Self Leveller can be applied as an over or underlayment when installed 3mm or above. Specifically formulated for preparation of concrete sub floors prior to installation of vinyl, carpet and tile floor coverings. Specially selected cements and polymers contained in Rockbond EL16 produces an over or underlayment with exceptional adhesion to most prepared flooring materials. Rockbond EL16 has superior coverage, with 20% higher coverage from each bag.





## SPECIAL PROPERTIES

- Quickly and easily mixed, pumped, placed and finished
- Self-smoothing, self-levelling, and will not segregate, bleed or dust.
- Only 5 mm cover to concrete required.
- Self-curing, quick strength and early trafficking.
- Strong bonding wear resistant and durable to mechanical attack.
- Impermeable and dense and will resist corrosive chemicals.
- Alternative material to resin screeds, and more cost effective.
- Non-flammable, non-toxic, user friendly and safe to use.

## USES

- To cover concrete in workshops, warehouses and factories.
- To repair concrete floors, pathways, loading bays, car parks and roads.
- To protect concrete in chemically aggressive environments such as: chemical works and stores, food processing factories, breweries, dairies and farms.

## MIXING INSTRUCTIONS

Rockbond EL16 Self Leveller should be mixed using a drill and mixing paddle. Mix one 20kg bag Rockbond EL16 Self Leveller with 6 litres clean water.

Put 6 litres clean water in a container and add ½ the bag of powder while mixing thoroughly, then slowly add the remainder of the powder.

Mix for 3-5 minutes to obtain a lump free mixture.

**Note: Do not over-water as this will promote bleed and separation with a reduction in bond and tensile strength.**

## HEALTH AND SAFETY

Rockbond EL16 Self Leveller is hazardous according to the criteria of NOHSC. Contains cement silica. Wear gloves and a mask when handling. Always wash hands thoroughly after use.

## APPLICATION PROCEDURE

Apply the mixed compound to the primed substrate using a gauge rake, stand up spreader or trowel to give the required thickness. Rockbond EL16 Self Leveller can be manually poured or pumped. Rockbond EL16 Self Leveller self-smoothes in the first 10 minutes, do not try to rework the material after 10 minutes.

Rockbond EL16 Self Leveller can be levelled up to 15mm in one application but for deeper applications or for larger areas over 10mm where it is more economical to do so, an aggregate may be added to the mixture. We recommend using a clean 4-6mm aggregate (no fines) with no more than 5kg aggregate per 20kg bag Rockbond EL16 Self Leveller.

Note: The addition of aggregate will affect the flow characteristics of Rockbond EL16 Self Leveller and it may be necessary to adjust the water component of the mix and to apply a second coat to achieve a smooth finish. Remember to prime before applying second coat.

Where it is desirable to create a fall or slightly ramp the product, we recommend reducing mixing water ratio back to 4.5litres per 20kg bag and to allow for shorter working time with the mix.

## MIXING INSTRUCTIONS

### COVERAGE PER 20KG BAG:

Approximately 14 sq.m to 16 sq.m @ approx 1mm thick or 6 - 7 sq.m @ approx 3mm thick depending on texture of substrate.

### COMPRESSIVE STRENGTH @ 20°C:

1 day- 8 Mpa  
7 days- 30 Mpa  
28 days- 46 Mpa

### FLOW/WORK TIME:

10 minutes

### INITIAL SET TIMES:

1 hour @ 20°C Can be walked on 2 - 4 hours

### READY FOR FLOOR COVERINGS:

24 hrs @ 3mm at 20°C

### THICKNESS:

1mm to 15mm in a single application, up to maximum of 100mm.

## TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team: +64 4 568 5401