

ROCKBOND INDUSTRIAL FLOOR SCREED

Self-levelling screed for hard wear areas

DESCRIPTION

ROCKBOND INDUSTRIAL FLOOR SCREED (RB 2.06) powder is pre-mixed, ready to use, polymer modified cementitious floor screed powder. The compound contains a unique blend of special cements, graded silica sands and a union of admixtures. The powder, when mixed with water, produces a fluid screed which is self levelling and largely self-smoothing. The material hardens to provide a strong bonding, high quality durable floor. The powder is packaged in 20 kg durable bags and has a shelf life of 2 years.

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 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 INDUSTRIAL FLOOR SCREED (RB 2.06) powder is mixed with water using a suitable container, a pneumatic or electric power tool with a Ribbon Mixer. Larger amounts of material may be mixed using a forced action paddle mixer.

Add 3.2 litres of water to the container of mixer.
Pour 20 kg of powder onto the water while mixing.
For batches of 2 or more bags, repeat the procedure.
After all the powder has been added, mix for 30 seconds.
The floor screed is now ready for use.

APPLICATION PROCEDURE

Careful and proper preparation of the concrete substrate is essential if a successful screed is to be placed. Thoroughly and completely abrade the surface where necessary to produce a sound substrate with a good mechanical key. All traces of contamination must be removed. Vacuum clean or blow away all dust debris.

Apply ROCKBOND LATEX CONCENTRATE (RB 7.15) to consolidate and seal the concrete. With a brush or a soft broom, brush the latex completely and evenly over the surface. Work the liquid well into the substrate and spread any puddles of latex over the surrounding concrete. Do not let the latex dry out.

To prime the substrate apply a second coat of latex. Normally 1 litre of ROCKBOND LATEX CONCENTRATE (RB 7.15) will treat 5 m² of concrete surface with 2 coats of latex. However, if the concrete is weak or porous, a third coat should be applied. Do not let the latex dry out before placing the screed.

To ensure that the correct amount of screed is applied, calculate the surface area of the concrete to be treated. 1 m² requires approximately 9 kg of powder at 5 mm cover. Set out the number of bags accordingly. The minimum recommended cover of the screed to concrete is 5 mm.

Mix the powder with water (3.2 litres of water/20 kg bag of powder) and pour the material onto the concrete in such a way as to avoid the entrapment of air. Do not over agitate the screed. For large areas of concrete, the compound can be mixed and pumped into place.

HEALTH AND SAFETY

ROCKBOND INDUSTRIAL FLOOR SCREED (RB 2.06) powder is non-toxic and safe to use. However, use the same precautions as with any cementitious product, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL DATA

TYPICAL DATA at 20% water/powder ratio at 20°C

CONSISTENCY: Fluid screed
CONSISTENCY LIFE: 20 minutes

DENSITY: 2120 kg/m³

MINIMUM COMPRESSION STRENGTH:

1	7	28	DAYS
20	35	55	MPa

YIELD: 20 kg of powder 11.20 litres of fluid screed.
20 kg of powder treats 4 m² of concrete at 2.7 mm cover.
1 m³ of floor screed requires 1.8 tonnes of powder.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team:

CONTACT DETAILS

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