

**FORMULATORS, MANUFACTURERS AND CONSULTANTS OF  
SPECIAL CONCRETE PRODUCTS**

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Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk) Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)ROCKBOND TOP FLOOR TOPPINGDESCRIPTION:

ROCKBOND TOP FLOOR TOPPING (RBT FT) powder is a unique blend of fine and ultrafine cement powders, a graded hard wear resistant aggregate and a union of admixtures. The powder is sprinkled onto freshly placed concrete, and then compacted to produce a grey, hard and tough, long lasting floor topping. The floor topping is considerably more wear resistant than granolithic floor toppings, and is specially designed for use in mechanically aggressive environments. The powder can be mixed with water to produce ROCKBOND TOP FLOOR TOPPING MORTAR (RBT FTM) and applied to repair and protect concrete surfaces from impact and abrasion. The powder is ready to use, is packaged in 25kg moisture proof, durable bags and has a shelf life of 5 years.

SPECIAL PROPERTIES:

- \* Easy to apply, quick to compact, smooth and finish.
- \* Can be produced in white, or pigmented to produce floors in a range of attractive colours.
- \* High strength, and high resistance to impact and abrasion.
- \* Considerably more wear resistance than conventional concrete floors.
- \* The floor topping is dense, impermeable and resistant to chemical attack.
- \* Can be mixed with water to produce a high strength mortar resistant to impact and abrasion.
- \* Contains no chlorides, high alumina cement, ferrous metal or other deleterious substances
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To top concrete in areas where there is frequent and heavy vehicular traffic.
- + To produce non slip, non skid surfaces to steps, ramps, paths and roadways.
- + In loading bays where fork lift traffic and heavy vehicles collect and manoeuvre.
- + To cover concrete in forecourts, garages, car packs and petrol stations.
- + To top concrete in warehouses, workshops and factories.
- + To protect concrete in chemically aggressive environments, food processing factories and chemical plants.
- + In areas where the floor must be kept clean and safe.
- + For use as a high strength repair mortar to resist wear from impact and abrasion.
- + Patch repairs to heavy duty floors.

APPLICATION PROCEDURE:

ROCKBOND TOP FLOOR TOPPING powder is ready to use, and is sprinkled onto freshly placed, fully compacted, good quality plastic concrete, the surface of which has been rough screeded and is level. (The base concrete should not contain microsilica).

**The spread rate for a 1 coat application is 5kg/m<sup>2</sup>.**

Calculate the weight of the floor powder required to sprinkle over the area of concrete to be covered. Set out the appropriate number of bags accordingly.

## ROCKBOND TOP FLOOR TOPPING (RBT FT),

### APPLICATION PROCEDURE CONTINUED...

When the concrete has been in place for approximately 2 hours or more (depending on the prevailing conditions), or when the bleed water on the concrete has finally disappeared, sprinkle the floor topping onto the surface of the concrete. Shake the powder completely and evenly over the area to be treated.

Allow a few minutes for the topping to soak up moisture. When the topping is wet, work the material well into the concrete with a powered float. Do not float the topping if the concrete is too plastic, or use water at any stage to wet the topping.

Power float the topping to close any pores and produce a smooth and attractive finish.

Once the material is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m<sup>2</sup>/litre. During adverse curing conditions, repeat the procedure.

### MIXING INSTRUCTIONS:

ROCKBOND TOP FLOOR TOPPING MORTAR is produced by mixing the powder with water using a ROCKBOND CONCRETE STIRRER (RB CS), a pneumatic or electric power tool (1kW) and a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC). Use a ROCKBOND FORCED ACTION PAN MIXER (RB FAPM) to mix larger amounts of material.

Add 2.50 litres of water to the container or mixer.  
Pour 25kg of the 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 mortar is now ready for use.

Alternatively, small amounts of the material can be prepared by slowly adding the powder to a quantity of water in a suitable container and mixing to the required consistency.

ROCKBOND TOP FLOOR TOPPING MORTAR is used to repair concrete floors and surfaces that are exposed to a high degree of mechanical attack.

Ensure that all surfaces which the mortar will come into contact with are strong, clean and dust free. On weak, friable or porous substrates, use ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate, strengthen and seal the surface. With a brush or a soft broom, brush the latex completely and evenly over the surface. Work the latex well into the substrate. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the perimeter of the repair area. Brush out any puddles. Let the latex dry out, usually 15 to 20 minutes depending on conditions.

To prime the substrate and to enhance the bond, apply a second coat of the latex to the first coat. Normally, 1 litre of the ROCKBOND PRIMER LATEX will treat 5m<sup>2</sup> of concrete surface with a two coat application. Substrate surfaces without the use of the Primer Latex should be wet.

Once the mortar is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m<sup>2</sup>/litre. During adverse curing conditions, repeat the procedure.

ROCKBOND TOP FLOOR TOPPING (RBT FT) CONTINUED...

HEALTH, SAFETY AND STORAGE:

ROCKBOND TOP FLOOR TOPPING 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. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

TECHNICAL DATA:

TYPICAL DATA FOR ROCKBOND TOP FLOOR TOPPING MORTAR

at 10% water/powder ratio at 20°C

CONSISTENCY: Good mortar  
CONSISTENCY LIFE: 30 minutes

DENSITY: 2600kg/m<sup>3</sup>

MINIMUM COMPRESSIVE STRENGTH:

1	7	28	Days
20	40	70	MPa

YIELD: 25kg of powder yields 10.00 litres of Floor Topping Mortar  
25kg of powder treats 1m<sup>2</sup> of concrete at 10mm cover.  
1m<sup>3</sup> of Floor Topping Mortar requires 2.500 tonnes of powder.

FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

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IMPORTANT NOTE:

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MAY 2016