

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF  
SPECIAL CONCRETE PRODUCTS

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## ROCKBOND QUICKBED CONCRETE.

### DESCRIPTION:

ROCKBOND QUICKBED CONCRETE (RB QBC) powder contains a blend of fine cement powders, high quality graded sands and aggregates, and a union of admixtures. The compound, when mixed with water, produces a non slump, non flow, quick strength concrete, which has been specially designed for bedding in applications. The powder is pre-mixed, ready to use, packaged in 25kg durable bags and has a shelf life of 2 years.

### SPECIAL PROPERTIES:

- \* Quickly and easily mixed with water, poured and placed.
- \* Ideal consistency for bedding in applications: non flowing, non slumping and thixotropic.
- \* Portland cement based, shrinkage compensated and microsilica enhanced.
- \* Quick setting and early strength: 1MPa at 1 hour at 5°C.
- \* High ultimate compressive strength: 70MPa at 28 days at 20°C.
- \* Can be used down to 0°C, and placed in sections of up to 75mm.
- \* Excellent bond strength, and resistance to abrasion and mechanical attack,
- \* Contains no chlorides, high alumina cement or other deleterious substances.
- \* Economical, non flammable, non toxic, user friendly and safe to use.

### USES:

- + In situations that require a concrete with an early gain in compressive strength.
- + Bedding in applications that require early strength such as crash barriers, fence posts, signposts, manhole covers and rings, kerbs, coping stones, drains and precast elements.
- + Quick return to use of floors, paths, roadways and carriageway concrete.
- + Repairs to factory floors, car parks, forecourts, loading bays and ramps that require early trafficking
- + For quick installation in areas where damage is caused by vandals and children.
- + For minimal disruption and delay during winter weather work.

### MIXING INSTRUCTIONS:

ROCKBOND QUICKBED CONCRETE (RB QBC) powder is mixed with water using a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC), a pneumatic or electric power tool (1kW), and a ROCKBOND STIRRER (RB S). 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 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 concrete is now ready for use.

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

ROCKBOND QUICKBED CONCRETE (RB QBC) CONTINUED...

APPLICATION PROCEDURE:

Ensure that all surfaces with which the ROCKBOND QUICKBED CONCRETE (RB QBC) comes into contact with are clean and dust free. All traces of contamination must be removed. A strong concrete substrate free of all friable material will enhance a good bond.

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. Let the latex dry out, usually 15 to 20 minutes depending on conditions.

If the substrate requires a primer, or to enhance the bond, apply a second coat of latex to the first coat. Normally, 1 litre of ROCKBOND PRIMER LATEX (RB PL) will treat 5m<sup>2</sup> of concrete surface with 2 coats of latex.

To maximise the contact of the QUICKBED CONCRETE during the repair of concrete, use a gloved hand to form a contact coat: rub the concrete completely over and well into the substrate to be repaired. Add further quantities of the material and tamper, agitate or vibrate the concrete to ensure complete compaction and to eliminate voids. Bring the level of the material up to the profile of the surrounding concrete.

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.

For applications which require a mortar, or for bedding in using thin sections of less than 10mm, ROCKBOND FASTROCK MORTAR (RB FRM) should be used.

TECHNICAL DATA:

TYPICAL DATA at 10% water/powder ratio at 20°C

CONSISTENCY: Stiff concrete  
CONSISTENCY LIFE: 20 minutes

DENSITY: 2350kg/m<sup>3</sup>

MINIMUM COMPRESSIVE STRENGTH at 20°C:

1hour	2 hours	1	7	28	Days
2	4	25	45	60	MPa

MINIMUM COMPRESSIVE STRENGTH at 5°C:

1hour	2 hours	1	7	28	Days
1	3	20	35	50	MPa

YIELD: 25kg of powder yields 11.25 litres of Quickbed Concrete  
1m<sup>3</sup> of Quickbed Concrete requires 2.200 tonnes of powder.

ROCKBOND QUICKBED CONCRETE (RB QBC) CONTINUED...

HEALTH AND SAFETY:

ROCKBOND QUICKBED CONCRETE (RB QBC) 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.

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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