

TECHNICAL DATA SHEET

RAPID REPAIR

A high-performance fast setting 45 MPa repair mortar

DESCRIPTION

Rapid Repair is a high performance cementitious mortar offering fast curing times with early high compressive strength characteristics, excellent adhesion qualities, is hydrophobic and can be troweled to a smooth finish. Rapid Repair has a design life of greater than 50 years when applied in the correct application.





SPECIAL PROPERTIES

- Initial set in 17 minutes.
- 20MPa in 2 hours @ 16°C.
- 36MPa in 24 hours @ 16°C.
- Excellent adhesion to concrete and steel.
- Suited for repairs 10mm to 100mm in depth
- Hydrophobic
- Suitable for potable water applications
- Conforms to NZS4210:2001

USES

- Repairs to water treatment plants
- Repairs to wastewater treatment plants
- Water storage facilities – fresh, grey & black
- Jointing compound for concrete and concrete lined pipes
- General repairs to manholes and most precast products
- Repairs to concrete slabs, walls & soffits
- Repairs to warehouse and factory floors
- Repairs to cowshed floors, abattoir floors & rendering plants

MIXING & APPLICATION

The area to be coated must be thoroughly clean and free from grease, oil and loose material; it can be damp, but not wet.

Mix 130mls of clean water to 1kg of Rapid Repair, mix thoroughly to an even consistency and apply with a trowel and float to the desired finish.

Only mix the amount required to effect the repair and do not leave the product standing. Once the product has been placed and 'finished off' do not rework it as the effectiveness of the finished product may be compromised.

Under normal ambient conditions it will set in 17 minutes, from mixing, and will be fully cured in 24 hours. Rapid Repair is suitable for repairs 10mm to 100mm in depth and should be always placed in one layer.

If a 'feather edge' is required Epoxy Tie Coat or Multi-Cote should be used as a primer coat.

PACKAGING

Packaging in 30kg waterproof bags and 20kg pails. When stored in dry conditions it will have a shelf life of 3 months.

HEALTH AND SAFETY

All Rockbond products are non toxic and safe to use. However, use the same precautions as with any cementitious products, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL DATA

TYPICAL DATA for RAPID REPAIR (2.28)

PERFORMANCE:

Rapid Repair will set in 17 minutes from mixing and will achieve 20MPa compressive strength within 2 hours at ambient temperature of 16°C.

CONDITIONS:

As the ambient temperatures affects the curing time of Rapid Repair it is best used in temperatures of between 7°C and 25°C.

The water content will also affect the curing time. Once mixed Rapid Repair will set in 17 minutes at ambient temperature of 16°C

COMPRESSIVE STRENGTH:

2 hours:	20MPa
24 hours:	36MPa
28 days:	45MPa

Rapid Repair tests were carried out in accordance with NZ3112 and is designed to conform to NZS4210:2001

YIELD:

9.6 litres of mixed mortar per 20kg pail.

TECHNICAL INFORMATION

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