

## **Q060 Rapid Strength Repair Mortar: Strength in Minutes, Not Hours.**

Q060 Rapid Strength is a high-performance, rapid-strength repair mortar designed for when time is critical and failure is not an option. This heavy-duty, low-slump compound is the go-to solution for deep fills, major patching, and structural repairs that need to be ready for levelling or floor coverings in record time. It is the indispensable product for correcting serious substrate damage.

### **Why Q060 Rapid Strength is the Professional's Go-To Mortar:**

- **Ready for Covering in 60 Minutes**
  - Our advanced rapid-set formula cures at an incredible speed. You can apply floor coverings, levellers, or membranes just one hour after application, saving critical hours on the job and keeping the project on schedule.
- **True Unlimited Depth in a Single Pour**
  - Fill any void without the need for layering. From deep holes and trenches to bulk-filling large areas, Q060 Rapid Strength can be applied to any depth in one go, providing a monolithic, high-strength repair.
- **Guaranteed Stability: Zero Cracking, Minimal Shrinkage**
  - The low-slump, "peanut butter" consistency stays exactly where you put it. This makes it perfect for forming ramps, rebuilding steps and covings, and even vertical repairs without slumping or running.
- **Exceptional Body & Trowelability**
  - Engineered to withstand the toughest conditions, it cures to a rock-solid state that is highly resistant to impact and vibration, making it ideal for high-traffic commercial and industrial environments.
- **Fine, Smooth Finish**
  - Despite its immense strength, Q060 Rapid Strength is formulated with fine-grain aggregates, allowing it to be trowelled to a hard, smooth finish that minimizes the need for subsequent skimming or grinding.
- **Healthier, Safer Formula**
  - Continuing the QX commitment to installer wellbeing, QX 250 is an ultra-low VOC formulation, making it a safer choice for use in any interior environment.

### **Suitable for:**

- Rapidly filling deep holes and recreating level surfaces.
- Patching major cracks and damaged concrete sections.
- Forming durable ramps and transitions.
- Rebuilding and repairing damaged steps and risers.
- Grouting bolt holes and other structural voids.

### **Surface Preparation:**

Concrete floors must be structurally sound, clean and dry. Surface must be mechanically prepared and be free from dust, dirt, wax, grease, asphalt, latex compounds, adhesives, paint, curing and sealing compounds and other contaminants. Concrete must be free from efflorescence and not be subject to hydrostatic pressure.

All concrete sub floors must be fully cured and dry in accordance with AS 1884. Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C and below 35°C.

Worn or trafficked surfaces should be abraded (diamond grinder or scarified) to remove contamination and roughen concrete to expose a clean, porous surface to ensure good adhesion. Very dense, smooth impervious surfaces should be primed with QX XFLOW Primer. Priming is not usually necessary on porous surfaces such as concrete, cement/sand, brickwork etc., unless the surface is extremely porous. Direct to earth sub-floors must have an effective damp-proof membrane.

Power-trowelled (burnished) concrete and Hi-strength concrete greater than 35 MPa shall mechanically prepared to a CSP3 profile.

### **Priming:**

Using a soft brush or broom, prime the prepared concrete area with QX XFlow Primer and allow primer to dry. A second coat of primer may be necessary on areas with very porous surfaces where the initial coat has been completely absorbed. Allow the primer to fully dry to a clean, thin film (approx. 1- 2 hours) before applying Q060. Low temperatures can delay the drying time of primer. Do not apply Q060 until the primer has dried completely.

### **Mixing:**

Place the recommended 2.3 - 2.7 litres of potable water into a clean mixing vessel and slowly add the entire 10kg contents of Q060 Rapid Strength while mixing using a heavy duty mechanical forced mixer (600rpm). Mix for approximately 2 – 3 minutes to a thick, creamy, lump-free, peanut butter like consistency. Do not mix too thinly.

Use mix within 15-20 minutes after mixing, be sure to only mix a quantity that can be use within this time.

- Do NOT use concrete or masonry mixers to mix Q050.
- Do NOT mix by hand.

- Do NOT overwater Q350, use only the recommended mix water volume.

**Application:**

Apply the mixed mortar with a trowel to the required thickness taking into account the short working time. The material may be finished with a wet trowel after 15 – 20 minutes to provide a finish suitable for direct application of floor coverings.

Smooth to a flat, smooth finish with proper trowel and if needed while installing do not apply water directly to Q060 but to the trowel and smooth. If product becomes too dry to trowel out of the bucket it may be re-whipped to bring back to life. Do not add more water when re-whipping.

Apply at temperatures above 10°C.

**Set Time:**

Drying time is approximately 30 minutes. Allow curing time 40-50 minutes at 23°C for walkable foot traffic and 1 hour before applying floor coverings.

Drying times will be impacted by air temperature, air flow, relative humidity and layer thickness. Abrading using 40-60 grit sanding paper improves both the surface quality and the absorbency.

**Coverage:**

10kg bag of Q060 High Strength will cover approximately 2.2 sqm at 3mm thickness. The approximate usage is 1.5kg/sqm/mm.

**Clean Up:**

Wash all tools in water immediately after use.

**Packaging:**

10kg Bucket.

**Shelf Life & Storage:**

12 months from date of production if stored indoors in undamaged and unopened bags. Store in dry conditions, in unopened and undamaged bags and in temperatures below 30°C.

If stored in excessive temperature conditions, externally exposed to the elements or in high humidity conditions, the shelf life may be reduced.

### Q060 Rapid Strength – Product data

<b>Compressive Strength</b>	After 28 Days Approx. 35mpa
<b>Color</b>	grey
<b>Mixing ratio</b>	2.3-2.7 Litres of clean, cool water
<b>Working time</b>	20-30minutes
<b>Pack size</b>	10kg bucket
<b>Shelf life</b>	12 months
<b>Ambient air temperature</b>	10°C-35°C
<b>Coverage</b>	Approximately 1.5kg powder/mm/m <sup>2</sup>
<b>VOC Level</b>	<0.5 mg/m <sup>3</sup>

*Testing Parameters: 23% of water. Laboratory at: 23 +/- 2°C > 50% RH. The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.*

#### Precaution:

- This product is designed as an underlayment. must not be used as a trafficable wearing surface.
- Do not use externally or in areas where the underlayment or subfloor is likely to be exposed to submersion, wetting or high levels of humidity.
- Do not apply at a temperature less than 10°C. Consider using cooled water for mixing the product. Do not apply in temperatures above 35°C. And the relative humidity below 75%.

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#### Important notice:

A safety Data Sheet (SDS) is available from the QX website ([qxmaterial.com.au](http://qxmaterial.com.au)). Please read the SDS carefully prior to using this product. In an emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia).

#### Product disclaimer:

Recommendations and advice regarding the use of this product are to be taken as a guide only. The manufacturer of this product and any of its affiliate companies cannot be held responsible for any loss or damage arising from the incorrect usage of this product. The use of this product is beyond the manufacturers control, and liability is restricted to the replacement of material should the product be proven faulty. The information contained herein is to the best of our knowledge, true and accurate. We reserve the right to update information without prior notice. No warranty is implied or given to its completeness or accuracy in describing the performance or suitability of the product for a particular application.

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