

Q350 High Strength: The Safe, Stable Foundation for Modern Flooring.

Engineered for Australian homes and commercial spaces where occupant wellbeing is a priority, QX 350 is a high-performance self-levelling compound. It delivers a flawlessly smooth, healthy, and exceptionally stable foundation, making it the premier choice for use under modern floating floor systems.

Why Professionals Trust Q350:

- **Ideal base for Floating Floors**
 - Specifically formulated to achieve the superior flatness and stability required by floating systems like Vinyl Plank (LVP), SPC/WPC, Laminate, and engineered timber.
- **Health-Conscious, Ultra-Low VOC Formula**
 - Our commitment to health is paramount. QX 350 is certified with ultra-low Volatile Organic Compounds (VOCs), ensuring better indoor air quality and making it the responsible choice for any interior space.
- **Guaranteed Stability: Zero Cracking, Minimal Shrinkage**
 - This advanced formulation is dimensionally stable. We guarantee it will not crack or shrink during curing, providing a monolithic, sound surface every time.
- **Guaranteed Bond: Zero Delamination**
 - When used as a system with the recommended **QX XFlow or HydroBlock Primer**, QX 350 is guaranteed not to decompile or lift from the subfloor, ensuring a permanent and reliable bond.
- **Rapid-Set & Low-Dust Formula**
 - Walkable in just 4 hours to keep your project moving, with a low-dust technology that creates a cleaner, harder surface for a better final finish.
- **Zero separation during mixing**
 - Our formula is engineered for zero separation during mixing. This ensures consistent performance across the floor and results in a cured surface with even porosity, perfect for subsequent adhesive application.

Suitable for:

- Indoor applications
- Residential and commercial applications
- New construction
- Refurbishment of old floors
- Underlayment for carpet, carpet tiles, timber and ceramic tiles
- Suitable for use with under floor heating systems

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.

All concrete sub floors must be fully cured and dry in accordance with AS 1884 (Less than 75% relative humidity when measured in accordance with ASTM F2170). Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C and below 35°C. For floors with a high humidity content or subject to rising damp, apply QX Vapour Block. Refer to the QX Vapour Block TDS for details.

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 Q350. Low temperatures can delay the drying time of primer. Do not apply Q350 until the primer has dried completely.

Mixing:

Place the recommended 4.6-4.8 litres of potable water into a clean mixing vessel and slowly add the entire 20kg contents of Q350 High Strength while mixing using a heavy duty mechanical forced mixer (600rpm). Mix for approximately 2 – 3 minutes to a lump free consistency. Use mix within 15 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 Q350.
- Do NOT mix by hand.
- Do NOT attempt to retemper mixed product.
- Do NOT overwater Q350, use only the recommended mix water volume.

Application:

Pour or pump the mixed Q350 High Strength onto the prepared substrate and spread into place using a long handled gauged spreader. Application shall be continuous into the preceding flowable material to ensure even thickness throughout. Do not fill new material in

the middle of proceeding material. Q350 High Strength seeks its own level during the first 10 - 15 minutes and can be applied up to 30mm thick in one application.

Application over Underfloor Heating:

The subfloor should have been laid and prepared in accordance with Australian Standard AS 1884. The underfloor heating system should have been commissioned in accordance with the manufacturer's instructions and in accordance with Australian Standard AS 1884. Once the heating system is fully commissioned, application of Q350 should be made in accordance with the information in this TDS and the requirements put down in AS1884. Application of any subsequent floor coverings should be made in accordance with the floor covering and flooring adhesive manufacturers instruction.

Set Time:

Allow curing time of 4 hours at 23°C for walkable foot traffic and 24 hours at 20°C 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:

20kg bag of Q350 High Strength will cover approximately 2.3 sqm at 5mm thickness.

Clean Up:

Wash all tools in water immediately after use.

Packaging:

20kg bags.

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.

Q350 High Strength – Product data

Compressive Strength	After 1 Day Approx. 15mpa After 7 Days Approx. 20mpa After 28 Days Approx. 25mpa
Tensile Bending Strength	After 1 Day Approx. 2mpa After 7 Days Approx. 4mpa After 28 Days Approx. 5mpa
Color	grey
Mixing ratio	4.6-4.8 Litres of clean, cool water
Working time	20-30minutes
Pack size	20kg/bag
Shelf life	12 months
Ambient air temperature	10°C-35°C
Coverage	Approximately 1.7kg powder/mm/m ²
VOC Level	<0.5 mg/m ³

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%.

Important notice:

A safety Data Sheet (SDS) is available from the QX website (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

