

RESIDENTIAL  
& COMMERCIAL

INDUSTRIAL  
& MARINE

ART  
& CRAFT

**SHIMICOAT**  
SURFACE SOLUTIONS



# QCell

## *An Application Guide*

### Mixing:

- Prepare Epoxy mix by adding appropriate quantity of Curing Agent (Part B) into the resin (part B).
- Mix thoroughly for 2-3 minutes manual or with mechanical mixer at low speed (750rpm Max).
- Add the correct quantity of QCell materials (depending on your application) and mix for extra 1-2min to ensure complete suspension of particles into the epoxy matrix.
- Apply to the surface and use well within curing time.

**Crack Repair:** Twice as much as resin quantity (200% by volume)

**Screeding:** Same quantity as resin used (100% by volume)

**Hairline Fill:** 10% (by Volume) of the quantity of resin used.

### Usage

**Crack Repair:** Twice as much as resin quantity (200% by volume)

**Screeding:** Same quantity as resin used (100% by volume)

**Hairline Fill:** 10% (by Volume) of the quantity of resin used.

## Application

### **Crack Repair:**

Use any of SHIMICOAT Clear Epoxy Resins, mix at correct ratios and add QCell twice as much as resin, at a rate of 200%. Mix for 2-3 minutes and apply to your surface within curing time-frame of Epoxy product used.

For example, if using Ultra Clear Epoxy, add 1.0Lt of Part B (Curing Agent) into 2.0Lt of Part A (Resin), mix for 2-3minutes and add 6.0Lt (2.7Kg) of QCell. If necessary, add EpoSeal Diluent at a rate of 5% to smoothen the paste.

### **Screeding:**

Use any of SHIMICOAT Epoxy Resins, mix at correct ratios and add QCell same quantity as resin, at a rate of 100%.

Mix for 2-3 minutes and apply to your surface within curing time-frame of Epoxy product used.

For example, if using Premium Tinted Epoxy, add 1.0Lt of Part B (Curing Agent) into 3.0Lt of Part A (Resin), mix for 2-3minutes and add 4Lt (1.8Kg) of QCell, mix for another 2-3minutes. Apply within half an hour before it cures. If necessary, add EpoSeal Diluent at a rate of 5% to smoothen the paste.

### **Hairline Fill:**

Use any of SHIMICOAT Epoxy Resins, mix at correct ratios and add QCell at a rate of 10% by volume. Mix for 2-3 minutes and apply to your surface by roller or brush within curing time-frame of Epoxy product used.

For example, if using Premium Tinted Epoxy, add 1.0Lt of Part B (Curing Agent) into 3.0Lt of Part A (Resin), mix for 2-3minutes and add 300mL (135gr) of QCell, mix for another 2-3minutes. Apply within half an hour before it cures. If necessary, add EpoSeal Diluent at a rate of 5% to smoothen the paste.

**MATERIALS** **CHEMICALS** **RESINS** **EQUIPMENT**

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## Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash.

Acid-wash to enhanced surface porosity and etch the surface

Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry. Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion. For further information, please refer to SHIMICOAT Instruction for "Surface Preparations". The spherical finish surface attributes into smooth floor compared to many other non-slip aggregates. It is easy to clean due to the spherical geometry without any sharp edges.

## Direction

QCell has three distinctive applications:

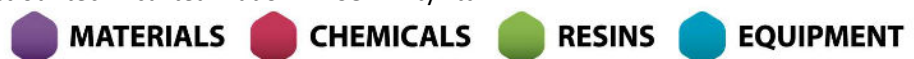
NO	Application	Usage	Direction
1	<b>Crack Repair</b>	Twice as much as resin quantity (200% by volume)	Trawl and fill the crack. Let it cure over-night (8-16 Hours depending on temperature) Sand and Clear Up, to get the surface ready for Coating Application.
2	<b>Screeding</b>	Same quantity as resin used (100% by volume)	Screed over the entire floor. Smooth off using trawl or squeegee. Let it cure over night (8-16 Hours depending on temperature).
3	<b>Hairline Fill</b>	10% (by Volume) of the quantity of resin used	Add to your resin. Mix and apply using roller or squeegee. Continuously mix to ensure ideal suspension, as SlipRes QCell may float to the surface over time. Let it cure over-night (8-16 Hours depending on temperature)

QCell enhances the performance of Epoxy matrix by improving compression strength, density and specific gravity reduction, improved rheological characteristics, increased thermal and fire rating properties and ultimately, Slip Resistant attributes.

QCell provides major functional benefits and added values through enhanced performance of surface coating beyond non-slip properties:

1. Durability,
2. Easy cleaning feature, Easy Mop, Easy Wipe.
3. Enhanced Mechanical and chemical resistant properties,
4. Fire resistant properties,

For further information please contact our technical team at SHIMICOAT Pty Ltd.



**WARNING**

Keep out of reach of children  
Read Safety Material Data Sheet (MSDS) of the product prior to use.

**Storage**

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is over 24 months.

**DISCLAIMER**

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request. The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

*This information and all further technical advice are based on our present knowledge and experience.  
The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.*