



## TECHNICAL DATA SHEET

# SHIELDCOAT SHIELDSEAL CT401

**DESCRIPTION:** SHIELDSEAL CT401 is an Ultra Premium high solids, water based acrylic sealer/primer with superior filling and sealing properties. Incorporating Shieldcoat's fade resistant technology SHIELDSEAL CT401 repels the calcium salts that leech from the tile causing premature colour fading. The high solids ratio gives superior filling and sealing properties, resulting in a much better finish as less top coat is sucked up by 'hungry' tiles. The pure acrylic resin used in SHIELDSEAL CT401 contains adhesion promoters and its fine particle size ensures deep penetration into the surface of the tile and is drinking water safe.

**RECOMMENDED USE:** Formulated to penetrate, seal, prime and fill badly weathered and pitted concrete tiles in preparation for the Roofbond Membrane or Thermobond HRC roof coating systems.

**APPLICATION PROCESS:** Refer to topcoat data sheet. Shieldcoat recommended surface preparation is crucial and is the responsibility of the Builder/Contractor/Applicator. Weather conditions must be considered and deemed suitable before proceeding. High humidity will affect drying and recoat times.

### TYPICAL PROPERTIES:

Colour: Milky liquid

Finish: Dries to an opaque finish

Size: 15 Ltr

Volume solids: 55%

Theoretical spreading rate: Tile Roof 5m<sup>2</sup>/Litre

Application surface temperature: 10°C to 40°C

Touch Dry: 30 minutes\*

Recoat: 2 hours \*

Full Cure: 10-14 days\*

Drinking Water Safe: After 10 days\* curing and initial rinse (rain or garden hose pressure).

Shelf life: 24 Month

\*All figures are quoted at 25° Celsius and 50% Relative Humidity



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### APPLICATION DETAILS / GUIDE

Airless spray / Brush / Roller

Thinner: Not recommended (use Shieldcoat Hot Weather Additive sparingly)

Airless Tip Size: 521

Clean up: Water

Indicated film thickness, wet: 200 microns (WFT)

Indicated film thickness, dry: 110 microns (DFT)

Coats Required: 1 (minimum)

### HEALTH AND SAFETY

Contact Poisons Information Center on Phone: 13 11 26 or a doctor.

**Ingestion:** Do not induce vomiting. Give water to drink. Seek medical assistance.

**Eye Contact:** Flush eyes using eye baths until irritation subsides. Seek medical assistance.

**Inhalation:** Remove to fresh air. Seek medical assistance

**Skin Contact:** Wash thoroughly with soap and water. Launder clothing before reuse. Seek medical assistance if irritations persist.

**Medical attention:** Treat symptomatically.

**First Aid Facilities:** Eye Baths, safety showers.

### RECOMMENDATIONS AND PRECAUTIONS

Ensure that appropriate workplace health and safety methods and PPE are used when working with this product.

Ensure adequate ventilation when using this product.

When drinking water collection systems are in place, Shieldcoat recommends disconnecting the system prior commencing work, then allowing 10 days curing of the painted system and a thorough fresh water rinse (Rain or garden hose pressure) before reconnecting the system.

Ensure that this product is applied in full accordance with Shieldcoat recommendations.

**MSDS:** Available on request or download from the Shieldcoat website. [www.shieldcoat.com.au](http://www.shieldcoat.com.au)

**DISCLAIMER:** Shieldcoat advises that the applicator of this product is responsible to determine and verify its suitability for the intended use prior to application. The data and recommendations contained within this document were true and accurate at the time of writing.