

# SOLIDKOTE ULTRA TOUGH

High Performance Polyaspartic Coating System

Solidkote Ultra Tough is a high performance hard wearing, UV stable polyaspartic coating with a high gloss finish. Ideal for applications affording excellent chemical resistance and improved durability with minimum down time. Non-yellowing, non-chalking and may be applied at very low temperatures. Ultra Tough maintains flexibility and integrity with time and bonds to a variety of substrates. Available in a range of colours.



## TECHNICAL DETAILS

Appearance	Clear & Colours
Coverage	Max 5 - 8 m <sup>2</sup> / L per coat, depending on desired thickness.
Pot Life	12 minutes @ 20 °C
Touch Dry	1 - 2 hours
Over-Coating Time	4 - 8 hours
Full Cure	5 days
Volume Ratio	2 parts (A) : 1 part (B)
Application Temperature	25 °C - 60 °C
Substrate	0 °C - 45 °C
Clean-Up	Solidkote 503 Thinners
PACKAGING	
Two component 3 L or 5 L kits	

## BENEFITS:



*Excellent chemical resistance.*



*High abrasion resistance.*



*UV and colour stable.  
(resistant to yellowing)  
Internal and external use.*



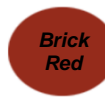
*Non-chalking.*



*Reduced down-time.  
Rapid curing, 2 hour walk on time.*



Light Stone



Brick Red



Light Grey



Light Blue



Dark Grey



Traffic Yellow



Dark Green



Cream

\*Product colours may differ from the ones shown above. For a full colour chart or for samples, contact your nearest Technical Finishes branch.



*Low temperature curing.*



*Easy to use.  
Versatile and practical coating.*



*High solids.*

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### Western Cape

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## APPLICATIONS:

- Commercial spaces.
- Showrooms.
- Warehouses.
- Restaurants & kitchens.
- Cold rooms & fridges.
- Tank linings.
- Tunnel linings.
- Steel structures.
- Concrete surfaces.

## SUBSTRATE REQUIREMENTS

### Concrete Floors

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials. The moisture content should be less than 5% and free from rising damp. The surface finish of the concrete should be class 2 (AS 3610).

Note: Any filling of blowholes/voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

## PREPARATION

Thorough cleaning is essential as oil, grease and other contaminants can result in coating failure and an unsightly finish. Avoid moisture as much as possible.

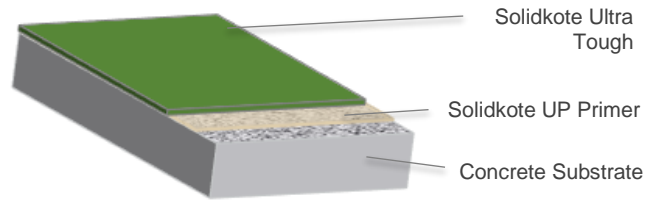
### Priming

Ensure application conditions of 15 to 28°C and that the concrete moisture content is below 5%.

Prime concrete surfaces with Solidkote WB Clear, water-based epoxy primer onto green concrete.

Alternatively use **Solidkote UP Primer** on existing concrete prior to application of Solidkote Ultra Tough.

Allow primer to cure for at least 16 hours prior to application of Solidkote Ultra Tough with a maximum over coating time of 48 hours.



## MIXING & APPLYING:

Mix Part A thoroughly with a paddle or mechanical mixer.

Add the complete contents of the Part B container to the Part A container and mix well for at least 3 minutes using a mechanical drill on low speed with a suitable paddle attachment.

The mix should not be kept in the mixing container as it will start to cure rapidly and become unusable. Plan the application prior to mixing as Solidkote Ultra Tough has a short working time. Do not use any thinning solvents in this product. Decant the mixed product into paint trays and use immediately after mixing by means of a suitable roller and apply up to 150 microns (µm) in a single application.

Alternatively Solidkote Ultra Tough may be applied by airless spray equipment (Grecko or similar equipment is recommended). The system is designed in a 1:2 vol:vol ratio and may be applied with plural or conventional spray equipment. Allow the first application to cure for at least 2 hours before walk on. Apply a second coat if required within 8 hours of the first coat to ensure adequate bonding. Application thickness must be according to client specification. Spray technique allows for thickness of films from 150 - 500 microns in one application.

## SPECIFICATION CLAUSE

Solidkote Ultra Tough will be applied according to the manufacturers, Technical Finishes SA (Pty) Ltd, instructions. Solidkote Ultra Tough is to be applied by trained and supervised applicators. The use of adequate spray equipment is paramount and is up to the contracting team to ensure that equipment is suitable and in good order for application of Solidkote Ultra Tough.

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## HEALTH AND SAFETY:

Polyurethane products are to be treated with care. The use of the correct personal protective clothing, gloves and goggles is recommended. In the event of skin contact, wash well with soap and warm water. Seek immediate medical assistance for eye contact. If sensitized towards polyurethane products, avoid all exposure.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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