

## ULTRA TOUGH

### THE HIGH PERFORMANCE POLYASPARTIC COATING SYSTEM

#### DESCRIPTION

Ultra Tough is the epitome of high performance polyaspartic coatings. Ultra Tough consists of a two component, rapid curing, high Solids, VOC compliant, aliphatic polyaspartic resin system. Ultra Tough is based on innovative technology and exhibits excellent UV stability. It is designed for applications affording excellent chemical resistance and improved durability with minimum down time. Ultra Tough is non-yellowing, non-chalking and may be applied at very low temperatures. Ultra Tough maintains flexibility and integrity with time along with excellent bond strength performance to most substrates with exceptional colour stability.

#### ADVANTAGES

- Excellent chemical resistance
- High resistance to abrasion
- UV and colour stable
- Versatile and practical
- Convenient volume ratio
- Internal and external use
- Non-chalking
- Easy to use
- Reduced down time
- Rapid curing, 2 hour walk on time
- Low temperature curing
- High solids

#### APPLICATIONS

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

#### TECHNICAL DETAILS

Appearance :	Clear & colours
Coverage :	Max 5 – 8 m <sup>2</sup> per liter 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 to 60°C
Substrate:	0°C to 45°C
Packaging:	3L and 5L kits
Clean up:	Solidkote 503 PU Thinners

#### DIRECTIONS

The substrate needs to be clean and dry before coating with ULTRA TOUGH. Thorough cleansing is essential as oil, grease and other contaminants can result in coating failure and an unsightly finish. Avoid moisture as much as possible.

ULTRA TOUGH is used to topcoat a variety of substrates to enhance the appearance and to provide a surface which is easily cleaned, durable and chemical resistant. Therefore it is essential that the surface is very clean, dry and dust free before starting. Prime concrete surfaces with Solidkote WB Clear, waterbased epoxy primer onto green concrete or use UP Epoxy primer onto existing concrete prior to application of ULTRA TOUGH.

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 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 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 ( $\mu\text{m}$ ) in a single application.

Alternatively ULTRA TOUGH may be applied by airless spray equipment (Grecco 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**

Ultra Tough will be applied according to the manufacturers, Technical Finishes Pty Ltd, instructions. 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 ULTRA TOUGH.

#### **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 PU products avoid all exposure.

#### **Gauteng**

#### **Kwa-Zulu Natal**

#### **Western Cape**