



ASIA'S LEADING  
BUILDING PROTECTION  
SPECIALIST

# FORMROK 300 TFC

SINGLE COMPONENT POLYURETHANE PROTECTIVE COATING

## DATA SPECIFICATION SHEET

### DESCRIPTION

Formrok 300 TFC is a single component, water based polyurethane copolymer topcoat designed for use as a protective coating on Formdex APO1 (APCC) topping or other concrete surfaces. It is specially formulated to form a tough homogeneous layer with high slip, abrasion and stain resistant surface.

It is suitable for internal and external application and is ideal for both new and old surfaces and for areas that requires long term durability and easy maintenance.

### FEATURES

- Water-based, non-flammable, non-toxic.
- Single component and ready to use.
- Provides hard wearing and attractive surface that is easy to clean.
- Provides a durable, anti-slip, abrasion and stain resistant finish to surface.
- Resistant to fungus and algae growth.
- Good long-term durability in outdoor exposure conditions.

### AVAILABLE COLOURS

Formrok 300 TFC is available in a selection of standard grey colours design to complement a wide range of concrete and architectural finishes.

#### STANDARD COLOURS:



RAL 7040  
Window Grey



RAL 7045  
Telegrey 1



RAL 7046  
Telegrey 2

*Note: Actual colours may vary slightly from printed or digital representations.*

### PRODUCT SPECIFICATION

#### PACKAGING

: 20 kg / pail

#### COLOUR

: See available colours for reference

#### ABRASION RESISTANCE AFTER THERMAL AGEING

: Max Wear Depth  $\leq$  0.6mm

#### (BS EN 13892-4:2002)

#### ABRASION RESISTANCE AT 28 DAYS (BS EN 13892-4:2002)

: Max Wear Depth  $\leq$  0.5mm

#### SHRINKAGE / VISUAL CRACKS (after 100 cycles of alternating

: a) Shrinkage / Expansion  $\pm$  0.5%

#### UVA heating to 60 °C for 4 hrs, followed by 10 minutes

: b) No visible cracks

#### intermittent spraying of water) (ASTM C531)

#### SLIP RESISTANCE (SS 485)

: 50 BPN

#### RESISTANCE TO STAINS ( Staining Agents: Olive Oil, Coffee

: Class 5 Cleanability

#### with Milk, Used Engine Oil & Black Rubber Hose) (ISO 10545)

## AREAS OF USAGE

- Void Decks, Corridors and Walkways
- Industrial and commercial floors
- Water Retaining structures
- Garages, ramps, carparks and other light to medium heavy traffic areas

## APPLICATION

### SUBSTRATE PREPARATION

- Clean surfaces and remove any dust, oil, grease or contaminants.
- All smooth, old and deeply contaminated substrates must be abraded by mechanical means.
- Defective and unsound substrate has to be repaired prior to application of Formrok 300 TFC.

### APPLICATION

#### Priming

- Prime the surface with Formrok TFC Primer using brush or roller at coverage of approximately 6-8m<sup>2</sup> per kg (surface texture can affect the coverage of any particular application)
- Leave coated surface to dry for approximately 20-30 minutes prior to the application of Formrok 300 TFC topcoat.

#### Application of Formrok 300 TFC

- Formrok 300 TFC is ready to use.
- Mix content in pail thoroughly with slow speed mixer.
- Apply by roller or brush at coverage of 4-5 m<sup>2</sup> per kg per coat (surface texture can affect the coverage of any particular application)
- When necessary, apply second coat at the same coverage rate perpendicular to the direction of the first coat (First coat must be touch dry prior to the application of the second coat)

#### Drying Time

- Touch dry, approximately 3-4 hours per coat.
- Open to light foot traffic after completely cure and dry, approximately 24 hours.

### STORAGE/SHELF LIFE

Do not store product exposed to sun or weather. When kept in cool, dry, protected area, sealed pails have a 12 months shelf life. Once opened, content may solidify within a few days.

## HEALTH & SAFETY

Read the product label and Material Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

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