

TECHNICAL DATA SHEET

POLISHED CONCRETE



Polished Concrete is a contemporary finish which is trowel applied to achieve a durable and decorative appearance to any wall or ceiling.

Compliments TUFFTEX ARCHITECTURAL FINISHES extensive range of internal and external decorative finishes.

TUFFTEX has a superior range of decorative finishes whether it be internal or external, designed to enhance the appearance of walls or ceilings. TUFFTEX Polished Concrete, is a trowel applied wall coating. It is made from an acrylic polymer formulation. TUFFTEX Polished Concrete won't release harmful volatile organic compounds (VOC's) in the same way that acrylic paints, glues and sealers will. TUFFTEX Polished Concrete is available in 8 pre tinted colours.

- 7 Year Warranty when top coated with 2 coats of TUFFTEX Silicon Sealer
- Acrylic Polymer Modified
- Durable Finish
- Creates a Seamless Finish
- Contemporary Concrete Look
- Pre-mixed product, just stir before use
- Easy, safe and economical clean up
- Low Volatile organic compound (VOC)

USES

Interior/Exterior Application

- TUFF Render
- TUFF Mouldings
- TUFFTEX Venetian
- TUFFTEX Texture Range
- Traditional Sand Finish Plaster
- Painted Brickwork
- Concrete Walls
- Ceilings

Suitable for interior & exterior use only. TUFFTEX recommends ensuring clients sign off on samples to ensure all parties agree on the aesthetics before the project begins, and all parties accept that aesthetics may change over time. TUFFTEX Polished Concrete is also suitable for use in wet areas, but not for areas where water pools such as floors, recesses, shower floors, bath tubs and hand basins.

SUBSTRATE CONDITION

Tufftex recommends that TUFFTEX POLISHED CONCRETE, be applied over dry, already prepared walls. Ensure that the surface is clean, dry, and free of grease, oil, mould, dirt, surface chalk, dust, release agents, bond breakers or other contaminants that might interfere with adhesion. Surfaces consisting of freshly applied cement-rich renders should be left for a minimum of 14-28 days seasonal (to allow for the cement to fully cure) before TUFFTEX POLISHED CONCRETE is applied. Substrates must not contain more than 15% moisture (WME) prior to application. TUFFTEX advises that a coat of TUFFTEX Quartz Primer is applied before the TUFFTEX POLISHED CONCRETE Base Coat is applied. This will aid adhesion, colour fastness, spread rate and trowel ability. Then the Polished Concrete Finishing Coat can be applied. The system is completed with the application of TUFFTEX Silicon Sealer.

SITE PREP

As well as the substrate being properly prepared, it is important to ensure that the work area is also made ready. This means masking and protective coverings of windows, doors and adjoining surfaces to avoid any markings. Drop sheets should also be used where required (tiles, pavers, downpipes etc.). TUFFTEX Polished Concrete is designed to last the test of time and as such care should be taken as a preventative measure for accidents occurring that could be easily preventable.

WEATHER CONDITIONS

If rain is forecast or imminent within 4 hours of the application time, or if the temperatures are less than 10 degrees C or greater than 35 degrees C, then TUFFTEX Polished Concrete must not be applied to the surface.

Freshly applied Tufftex Polished Concrete, must be protected from rain, other sources of moisture and frosts for at least 48 hours after application.

MIXING

TUFFTEX POLISHED CONCRETE is a pre-tinted ready-to-use product. Mixing is only required before applying the product by trowel or spatula. Mix until consistent before applying. As a rule, there is no need to add water to this product before application.

APPLICATION

Apply by using stainless steel trowel or spatula and finish with specialised highly polished stainless steel trowels. Application should be done in thin layers over properly prepared substrates.

CURING

It is important that the coating is protected from rain, moisture and cold conditions for a minimum of 12 hours after application and/or prior to there being any TUFFTEX Silicon Sealer applied.

COLOUR

TUFFTEX Polished Concrete exhibits excellent durability and premium shades with a mottled or patterned appearance under most climatic conditions. A protective and decorative service life of 7 years minimum would be expected, provided that the substrate remains undamaged and two coats of TUFFTEX Silicon Sealer be applied. Please note that all acrylic surface finishes will show some degree of fading and discolouration due to the impact of weather and airborne pollutants, this is a characteristic of the product. When applying renders and Applied Surface Finishes to walls, TUFFTEX recommends the use of regular expansion joints to cope with normal substrate movement. The location of expansion joints is the responsibility of the Builder and their Engineers. TUFFTEX Polished Concrete is available in 8 pre-tinted colours. Contact TUFFTEX for your specific solution. All Colours will age and fade to some degree with time exposed to sun light.

CLEANING UP

All of the equipment used to apply TUFFTEX acrylic coatings can be cleaned up by scrubbing with water immediately after use.

Coverage:	Approximately 45m ² for 15L of Finishing Coat (15m ² for 5L of finishing coat)
Wet Film Thickness:	240 microns (approx average)
Dry Film Thickness:	150 microns (approx average)
Shelf Life:	12-24 months is to be expected.

NOTE: Applying the Silicon Sealer can darken the colour up to 20% from the original colour. Consider this when choosing colours.

TUFFTEX Polished Concrete is hazardous according to health criteria of Safe Work Australia. Refer to TUFFTEX POLISHED CONCRETE SDS.

This information contained herein relates only to the specific material identified. TUFFTEX believes that such information is accurate and reliable as of the date of this Technical Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability or completeness of the information. TUFFTEX urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.