



## **500F – TETRATHANE (FLEXITHANE)**

### **DESCRIPTION**

500F Tetrathane is a non-yellowing, ultra-violet light resistant single pack clear polyurethane. Tetrathane cures by reaction with moisture in the air to an extremely tough and durable film. It is suitable for use on seamless flake and epoxy top clear coats, polished concrete, interior cork, timber and masonry surfaces where the finished coating provides a chemical resistant, long wearing, treatment suitable for use in traffic areas.

500F Tetrathane contains a high level of ultraviolet absorber which enables it to protect substrates from discolouration caused by sunlight. It can be used either as the entire finish system or as a protective glaze finish over conventional polyurethane and epoxy flooring systems.

### **FEATURES**

- Good Chemical Resistance
- Excellent UV Resistance
- Helps protect base coatings (e.g. Epoxies)
- Remains clear long term
- Easy clean gloss finish

### **RECOMMENDED USES**

- As a UV protective coating over the All Purpose Coatings range of epoxy coatings.
- Concrete surfaces for external applications
- Internal coloured cork and timber floors subject to direct sunlight through windows and glass doors.

### **SURFACE PREPERATION**

All Purpose Coatings recommend a small-area trial of at least two (2) coats Tetrathane be applied to ensure compatibility with the material to be coated.

Tetrathane as a Protective Glaze.

Surface should be sanded to remove gloss. Apply two coats of 500F Tetrathane over other suitable coatings. Allow 6 hours minimum and up to 24 hours maximum at 20°C between coats. This will achieve a reasonable level of UV resistance for internal application.

Tetrathane as a Total System.



Concrete, Internal coloured cork tiles and timber require a minimum of two (2) coats. Allow 6 hours minimum and 24 hours maximum at 20°C between coats under normal curing conditions. On concrete surfaces 2 coats are usually sufficient to provide a chemical and solvent resistant, dust free surface.

## APPLICATION

Ensure all surfaces are sound and free of all foreign matter and that concrete is free of all laitance prior to coating. Apply 500F Tetrathane direct from the container using a brush, roller or lambs wool pad. As Tetrathane is somewhat self-levelling and tends to dry rapidly, it is best applied quickly and allowed to flow out to a smooth surface.

## COVERAGE

Smooth sealed surface 8-12 m<sup>2</sup>/Lt/Coat

Concrete timber 4-8 m<sup>2</sup>/Lt/Coat depending on porosity.

## IMPORTANT NOTES

Pour out only sufficient Tetrathane for immediate use into a suitable solvent resistant clean dry container, as it will prematurely gel if exposed for too long to the air.

**Do not return unused Tetrathane to the original container.** Reseal original container tightly immediately. Clean material from spout thread before resealing and avoid prolonged storage of part-filled cans. It is recommended a small-area trial of at least two coats of Tetrathane be applied to ensure compatibility with the material to be coated. Tetrathane is not designed as an external coating for timber floors and wall or timber cladding.

## CLEAN UP

Use 150 Thinners (refer separate Technical Data Sheet).

## DRYING/ RECOAT

Tetrathane cures by reacting with moisture in the atmosphere. In general, the higher the temperature and humidity the faster the products will dry. Acceptable curing conditions allow recoating in approximately 6-18 hours at 20°C. If longer than 24 hours has elapsed, then the Tetrathane should be lightly, but, thoroughly sanded to ensure intercoat adhesion. In all cases check that each coat of Tetrathane has sufficiently cured before recoating, otherwise frying or lifting of the coating may occur. Tetrathane can be lightly

# ALLPURPOSE COATINGS



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walked on after 24 hours @ 20°C, but should not be subjected to hard wear or tyred vehicle traffic for 7 days.

## CHEMICAL RESISTANT

This is a general guide for 7 days exposure on cured film. Prompt clean-up is always best practice.

Excellent Resistance: Aliphatic Solvent

Good Resistance: Alkali, Aromatic Solvent, Mineral Acid, Water

Fair Resistance: Alcohol, Organic Acid, Oxidising Acid

## SAFETY PRECAUTIONS

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

## IMPORTANT NOTICE:

Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

## PRODUCT DISCLAIMER:

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product, including how to use and apply the product based on the information available at the time.

You should read this TDS carefully and consider the information in the context of how you will apply the product, including if it is being used in conjunction with any other products, the type of surfaces and the manner in which the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. All Purpose Coatings does not accept any liability either directly or indirectly for any losses suffered that arises from the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.