

Designed, Formulated & Manufactured in Australia by APC

DESCRIPTION

Tetrathane is a single pack, Solvent Based, Aliphatic, Moisture Cure Polyurethane with a high level of resistance to yellowing and the direct effects of sunlight.

Tetrathane cures by reaction with moisture in the air to an extremely tough and durable film.

Tetrathane can be used as a standalone topical coating over ground concrete giving a high end long lasting high gloss finish or as a top coat on Flake Systems allowing the system to be successfully used inside and outside in full sun.

RECOMMENDED USES

As a top coat over the All Purpose Coatings range of epoxy coatings.

- Concrete surfaces for external & internal applications.
- Top coat for Flake Systems

FEATURES & BENEFITS

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

PHYSICAL PROPERTIES

This is a general guide for 7 days exposure on cured film. Prompt clean-up is always best practice using 150 Epoxy Thinners (refer separate Technical Data Sheet)

Excellent Resistance: Aliphatic Solvent

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

Fair Resistance: Alcohol, Organic Acid, Oxidising Acid

SURFACE PREPARATION

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 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 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 Tetrathane direct from the container using a brush, roller or lamb's 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.

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 72 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.

COVERAGE

Standalone system over smooth flat concrete 8-10m². Depending on porosity of substrate & application method. 2 x coats are recommended.

Top coat over APC Flake System 4-6m² per litre

RETURN TO SERVICE

Light pedestrian traffic 24 hours @ 20°C. Vehicle 7 days

SHELF LIFE

3 Months after opening

POT LIFE

Pot Life 30 – 45 minutes dependant on the temperature.

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 walls or timber cladding.

IMPORTANT NOTICE: Read the SDS and TDS carefully prior to the use of any product. Application, performance & safety data may change from time to time. In an emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice. **IF THE SITUATION IS LIFE THREATENING, DIAL 000.**

PRODUCT DISCLAIMER: Read the SDS & TDS carefully before use of any product. These documents contain information in context to 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. All Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification, recommendation or information given by All Purpose Coatings Pty Ltd.