



EXTERIOR



WATER-BASED

TROPITECH®**ALL IN ONE****Product description**

TROPITECH® "All in One" is a premium quality 100% semi-transparent acrylic finish, which effectively seals wood, resisting moisture penetration, rot and decay. It contains an effective fungicide that resists mildew and a powerful UV screener that filters out the sun's harmful ultra violet rays, thereby retarding the aging (silvering) process of wood. The TROPITECH® system bonds "in" and "on" the wood to provide a tough, durable, lustrous finish that both protects and enhances the appearance, beauty and character of the wood. The TROPITECH® system enables preparation and finish to be completed the same day.

Properties

- High UV resistance.
- Quick drying.
- Withstands severe traffic.
- Ideal for extreme environments.
- Apply to wet or dry wood surfaces.

Basic uses

- Exterior use only.
- Softwoods - Cedar, Larch, Spruce, Pine, Pressure-Treated Wood...
- Hardwoods - Ipe, Iroko, Teak, Oak, Chestnut...
- Thermo heated wood.
- New and weathered wood surfaces
- Horizontal and vertical surfaces.
- Decks, Docks, Cladding, Roofs, Fences, Exterior furniture, Cabins...

Technical data

Finish: Matt sheen.
Vehicle type: Acrylic/Alkyd.
Solvent type: Water.
Specific gravity (at 20°C): 1.02 ± 0.05.
Physical state: Liquid.
Solid content: 18.5% ± 1%.
Flammability: Not classed as flammable.
Shelf life: 2 years in original unopened container.
Container size: 2.5L, 20L.
Colour: Movingui, Redwood, Cedar, Sedona.
Drying times:
 Touch dry - 1-2 hours @ 23°C. Can be walked on once coating is touch-dry.
 Fully cured - 24-48 hours after application of final coat.
Re-coating time: As soon as previous coat is touch dry.
VOC: EU limit value for this product (cat. A/f) 130 g/l (2010). This product contains max. 41 g/l.

Application tools

High quality synthetic brush.
 Paint pad (For smooth horizontal surfaces).
 Synthetic roller.
 Airless spray (.010 - .014 tip @ 1800-2000 psi (124-137 bar)).

Good application practice

Before starting, test colour choice on a small area. Allow to dry to determine final colour.
 Buy sufficient product for the whole job. For colour uniformity mix all product together that is to be applied to any one area or section.
 Cover everything you do not wish to coat, including plants and shrubs.
 Apply between 10°C and 30°C. Do not apply in direct sun light or to hot surfaces.
Note: Wood surfaces in direct sunlight can reach temperatures as high as 60°C even if air temperature only reaches 30°C.
 Do not apply if cold and/or wet weather is expected within 24 hours.
 Stir product thoroughly before and during application. Do not thin.
 Always work the entire length of a deck board or horizontal siding to a logical break, such as a window or door frame.
 Never stop application in the middle of the board or wall.
 Always work with a wet-edge and finish off in one direction to avoid lapping.
 Do not cut in until ready to do whole board.
 Immediately brush out or wipe up any drips or runs to avoid them drying into the finish.
 Vertical siding should be coated from top to bottom.
 After spray application, always back-brush or back-roll to improve penetration and uniformity of coverage.

Surface preparation

General Directions

Surfaces must be thoroughly clean, dry and free of dirt, grease, grime, mildew and previous coatings. TROPITECH® may only be applied to bare wood surfaces or a wood surface previously finished with TROPITECH®. ALL other finishes must be completely and thoroughly removed. If necessary sand surface after cleaning and/or stripping (80 grit paper).

New wood surfaces

New wood surfaces have a hard shiny surface called mill glaze that prevents maximum penetration and bonding of any finish and this should be removed before starting application. Make up a solution of 1 part bleach to 3 parts water to this add PREPDECK®* in the ratio of 1 part PREPDECK®* to 4 parts bleach/water solution **except** for Ipe; for Ipe add 1 part PREPDECK®* to 1 part bleach/water solution. Apply PREPDECK®*/bleach/water solution to the surface and leave to work for 20 minutes - If surface starts to dry, rewet with the PREPDECK®*/bleach/water solution. Scrub surface with stiff nylon brush, deck brush or use a powerwasher (500-1000 psi). Rinse wood thoroughly with copious amounts of fresh clean water.

Weathered wood surfaces (untreated)

Wood that has weathered longer than 6 months requires thorough cleaning. Make up a bleach/water solution in the ratio of 1 part bleach to 3 parts water. Dilute PREPDECK®* from a **minimum** of 1 part PREPDECK®* to 5 parts bleach/water solution, up to a **maximum** of 1 part PREPDECK®* to 20 parts bleach/water solution; depending on condition of surface to be cleaned. Apply PREPDECK®*/bleach/water solution to the surface and leave to work for 20 minutes - If surface starts to dry, rewet with the PREPDECK®*/bleach/water solution. Scrub surface with stiff nylon brush, deck brush or use a powerwasher (500-1000 psi). Rinse wood thoroughly with copious amounts of fresh clean water.

Previously oiled surfaces

All other oils or sealers must be completely and thoroughly removed with PREPDECK®* and the stripped surface neutralised with NET-TROL®*. Once previous finish has been totally removed, prepare as for "New wood surfaces".

Previously coated surfaces (paint, stain, varnish...)

All previous coatings must be completely and thoroughly removed with DILUNETT®*, PREPDECK®* or CDKP® 90* before applying TROPITECH®. Solvent (oil or alkyd based finishes): Strip with DILUNETT®*⁽¹⁾, neutralise with NET-TROL®*. Acrylic finishes - Water-based: Strip with PREPDECK®*⁽¹⁾, neutralise with NET-TROL®*. Other finishes i.e. 2 pack epoxies, urethanes,...: Strip with CDKP® 90*. Once previous finish has been totally removed, prepare as for "New wood surfaces".

(1) Woods high in tannins may darken when stripping with PREPDECK®* and DILUNETT®*.

Neutralising with NET-TROL®* will restore the colour. Contact us for additional information and advice before proceeding.

Note: Some woods such as Cedar, Douglas Fir and hardwoods (inc exotic) may darken from the PREPDECK®*/bleach/water treatment. If this occurs lighten with a bleach/water solution (1 part bleach to 3 parts water). Apply solution to the surface. Wait 15 minutes, then rinse off. **Do not allow the surface to dry prior to using the bleach solution.**

Application

Prior to applying the 1st application of TROPITECH® "ALL IN ONE" ensure surface to be coated is cool to the touch. If surface is hot, cool with water and apply 1st coat of TROPITECH® "ALL IN ONE" to the cooled wet surface. Remove any puddles of water just before applying TROPITECH® "ALL IN ONE".

Apply additional coats to a dry surface - DO NOT re-wet surface after 1st application.

Stir TROPITECH® "ALL IN ONE" thoroughly before and periodically during application.

Apply a 1st liberal application of TROPITECH® "ALL IN ONE".

Allow first coat to dry.

Apply second coat as soon as first coat is dry.

After second coat is dry inspect the finish. If finish has a uniform sheen and lustre, the proper amount of material was applied. If the finish looks blotchy or lacks uniformity apply a third coat of TROPITECH® "ALL IN ONE".

For heavy traffic areas i.e. walkways, decks, docks... or for better resistance, a third coat should be applied.

Note: In order to attain optimal adhesion of TROPITECH® "ALL IN ONE" in cold areas i.e. UK, Northern Europe, North America, it is recommended to add 25 % of OWATROL® E-B by volume, to the 1st coat of TROPITECH® "ALL IN ONE".

Coverage

Weathered surfaces 3.5-6 m² per litre.

New surfaces 8-11 m² per litre.

Actual coverage will vary depending on application method, type, texture, age and porosity of the wood.

Maintenance

This will depend on exposure to the sun, weather and foot traffic.

Inspect the finish annually.

If small areas are found to have flaked, cracked or have been damaged from wear and tear proceed as follows:

Remove all loose debris and other surface contamination.

Make up a solution of 1 part bleach to 3 parts water.

Scrub bleach/water solution into surface and leave for 10 minutes.

Rinse wood thoroughly with clean water, using the highest pressure source available, or by lightly pressure washing.

While wood is wet apply one coat of TROPITECH® and leave to dry.

When 1st coat is dry, apply an even, 2nd coat of TROPITECH® and feather in.

For heavy traffic apply a 3rd coat.

For severely damaged TROPITECH® finishes please contact us for more information.

Restrictions

DO NOT use NET-TROL®* or other acid based cleaners with TROPITECH® except where stated.

Clean-up

Clean all tools and equipment with warm soapy water.

Wet drips or runs can be removed using a cloth wetted with water.

If product has dried use denatured alcohol or Prepdeck to remove it.

Storage

Left over TROPITECH® should be transferred to a smaller, airtight, closed metal or glass container.

Keep from freezing and high temperature.

General information

Every care is taken to ensure that the information provided in this technical data sheet is accurate. OWATROL International is unable to guarantee results as we have no control over the conditions under which our products are applied. For further advice and information please contact our technical department by email at info@owatrol.com or the local OWATROL Agent for your country.

The information above is correct at the date of issue.

All other OWATROL products named in this document should be used as per label instructions and the technical data sheet.

Safety

Refer to the safety data sheet (MSDS) available at www.owatrol.pro and text on the packaging. Keep out of the reach of children.

Issue date

August 2012.

* Same manufacturer

OWATROL INTERNATIONAL SLU

Barcelona - Spain

Tel. +34 93 125 88 68

Fax +34 93 106 02 13

TROPITECH® "ALL IN ONE" is a trademark



Find all our solutions:

www.owatrol.pro