



ILVA

**ILVA Aquatech
Water Based
Timber Coating
Specification -
TW 1003**

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**Water base two pack clear sealer- ILVA TT06
(Part A)**

**Water base two pack clear topcoat- ILVA TW3
Series (Part A)**

Water base Catalyst-TXW14 (Part B)

FEATURES and BENEFITS :

- This high-quality high build Italian made two pack (Bi-Component) water base clear coating has excellent filling power. High surface hardness and excellent chemical resistance.
- Suitable for: internal doors, skirts & architraves, internal windows, cupboards, furniture, veneer panels, banisters, handrails and bookshelves.
- Outstanding dry film clarity and silky-smooth finish enhancing the beauty of solid and veneer timbers.
- The water base clear finish is noted for its low odour, no off-gassing, no flammability properties. It meets green environmental standards and is low VOC.
- Excellent resistance to yellowing, applies opaque & dries to a perfectly clear finish.
- Moisture resistant for a wider range of applications.
- Most Part A's are "Bi-Component" meaning they can be used as a single or two pack product
- Available in clear and colours.
- Brush, roller, and spray applications.
- Water cleanup, easier for you, better for the environment.

Gloss Levels Available: 0% Natural, 10% Matt, 30% Satin, 60% Semi-Gloss

This guideline must be read in its entirety and be fully understood prior to commencing product application.

Step 1

Surface Preparation: Sand surface using 180 grit sandpaper, followed by 240 grit sandpaper to help minimise open grain ensuring that sufficient coating remains on top of the substrate. Ensure that the surface is free of dust and contaminants.

Step 2

Application of Ilva Aquatech 2K TT06 Clear Sealer : Apply 2 coats sealer wet on wet no flash off. Coverage 1litre/6m² of TT06 sealer as follows: 900ml of TT06 sealer, 90mls of TXW14 hardener, 5-10mls of distilled or natural water. Gravity or suction fed gun 1.8 to 2.0mm set up. Airmix gun tip 09.094, airless 4/11.

Step 3

Sanding Back/2nd Coat of Ilva Aquatech 2K TT06 Clear Sealer (Optional): Lightly sand after drying for a minimum of 3 hours in well ventilated conditions at 20°C and 50% relative humidity using 320 grit sandpaper. Apply 2 coats sealer wet on wet no flash off coat-900mls of TT06 sealer, 90mls of TXW14 hardener, 5-10 mls distilled or natural water



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Step 4

Sanding Aquatech 2K TT06 Clear Sealer : Lightly sand after drying for a minimum of 3 hours in well-ventilated conditions at 20°C and 50% relative humidity using 320-400 grit sandpaper.

Step 5

Application Ilva Aquatech 2K TW3 Series Clear Topcoat: Apply 2 coats wet on wet no flash off finishing coat-Coverage 1litre/6m² TW3 series clear topcoat as follows: 900mls of TW3 Series Clear Topcoat, 90mls TXW14 hardener, 5-10mls of distilled or natural water. Gravity or suction fed gun 1.8 to 2.0mm set up. Airmix gun tip 09.094, airless 4/11.

The TW1003 WB system is for the protection of timber in normal day to day use where some indoor filtered sunlight exposure is expected but not direct sunlight exposure for any extended period.

Substrate: The TW1003 specified system is suitable for most timbers and veneers. (Please check with your timber merchant or your paint supplier if the water-base coating will be suitable for the substrate you choose.)

Cleaning: Please make sure you clean your spray gun in the correct manner to ensure no damage occurs to your equipment.

Force Dry: If force drying any water base coating, please ensure air flow goes briskly across the surface and not by down forced air. Down force air across the surface will cause grain raising and can force the evaporative released moisture back into the coating either preventing drying or slowing the drying time.

IMPORTANT INFORMATION

Do not exceed maximum thickness per coat of product. All mixing ratios are according to volume or weight.

- All sanding use sheet paper or 150mm sanding discs
- All drying, sanding and recoating schedules are based on 20 degrees Celsius and 50% humidity and must be performed in a well-ventilated area.
- Ensure that your surface is free of dust and contaminants prior to coating
- All safety measures should be taken in accordance with Technical Data Sheets (TDI), Safety Data Sheets (SDS) and local laws.
- Other products should not be interchanged with those outlined in this specification
- This specification sheet is a general guide for application only and does not replace the Technical Data Sheets (TDI).

Many factors can influence the coating process (e.g. mixing ratios of products, allowable film thickness per coat and drying times, etc.) These factors include but are not limited to environmental variables, timber species, substrate quality, and quality of surface preparation and product application. If you are in doubt regarding how variables can affect the application process, then please contact us prior to commencing product application. The steps outlined herein are intended as a general guide only and are given without prejudice.