



1.0 Description:

- EPWOOD is a clear, two-component, solvent-based epoxy coating.
- Cured with a reactive polyamide hardener.
- Provides excellent resistance to scratching and abrasion.
- Offers suitable elasticity to accommodate natural wood movement.

2.0 Uses:

- Designed as an epoxy coating for all types of wooden substrates.

3.0 Approval & Certification:

Available on request

4.0 Colours:

Clear transparent liquid.

5.0 Product Data:

Solid Content	: 45 ±1	%
Wet Density	: 0.95	gm/cm ³

6.0 Consumption per coat:

Consumption (R+H) : 6.0 – 8.0 m²/kg depending on the porosity & roughness of substrate.

7.0 Surface Preparation:

1. Clean the Surface:

- Remove dust, dirt, grease, wax, oil, or any contaminants.
- Use a mild detergent solution or a suitable cleaner if necessary.
- Allow the surface to dry completely.

2. Repair Surface Defects:

- Fill cracks, holes, and surface imperfections using a compatible wood filler.
- Allow the filler to dry and sand it smooth.

3. Sand the Wood:

- Start with medium-grit sandpaper (120–150 grit).
- Finish with fine grit (180–220 grit) for a smooth, even surface.
- Always sand in the direction of the wood grain.
- Remove all sanding dust using a vacuum or microfiber cloth.

4. Ensure the Substrate Is Dry:

- Wood moisture should be low (preferably <12%).
- Moisture trapped inside the wood can cause adhesion failure, whitening, or bubbles under the epoxy.

5. Check Surface Smoothness:

- The surface must be even, clean, and free of loose Fibers.
- Any imperfections will be magnified once the clear epoxy layer is applied.

6. Final Cleaning:

- Wipe the substrate with a lint-free cloth.
- Optionally, use a light wipe with suitable solvent (recommended SOLVENT T) to remove residual oils — allow to evaporate completely.



7. Safety Precautions:

- Work in a well-ventilated area.
- Wear gloves, eye protection, and a dust mask during sanding.

8.0 Application Methods:

1. Ensure the substrate is clean and free from grease, oil, dust, or any contaminants.
2. Sand the wood surface until a smooth, uniform finish is achieved.
3. Wear protective gloves, eye protection, and ensure adequate ventilation before application.
4. Add the resin to the hardener in a suitable container and mix thoroughly.
5. The first coat may be diluted with SOLVENT N.X up to 20%.
6. Apply one coat of EPWOOD using a brush or wool roller within 4 hours of mixing.
7. Clean application tools with Thinner.
8. A second coat may be applied the next day and may be diluted by up to 15%.

Notes:

- Temperature of the substrate should be min 10°C and below 40°C
- Good ventilation should be ensured
- The coating shall not be exposed to any spillage or mechanical wear until fully cured.

9.0 Product mixing Ration by weight:

Resin : Hardener	: 3.5 : 1.0	by weight
Container	: Sealed pre weighed	Steel Containers
Total Weight	: 1, 5	kg

Notes:

- The product components shall not be divided as total weight of each component shall be totally used. Slow Mechanical Mixing is recommended
- Mixed components should be transferred to a third container and remixing should take place to reach ultimate results

10.0 Pot life, Drying and curing time:

Initial Curing Time	: 24	hours at 24°C
Final Curing Time	: 7	days at 24°C
Pot Life	: 260	min. at 24°C
Walk on Time	: 12 - 24	hours according to temp.
Recoating	: 12 – 18 hours	depending on temp.

11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

12.0 Handling of Epoxy Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

13.0 Compatibility:

- Primers applied prior to specified product shall always be epoxy based products.
- For Repairing and fixing defects, product shall always be epoxy based products
- Recoating can be epoxy or polyurethanes products.

14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

15.0 Storage:

- Store in steel containers, above ground, and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.