POLYMER COMPOSITES, INC. 1871 Lake Pl., Ontario, CA 91761 • (909) 673–1625 • Fax: (909) 673-1605

Wood Sealing and Waterproofing Basic Steps

Guidelines

- Ensure that the wood is as dry as possible; any excessive moisture will be sealed within the wood once it is impregnated with resin.
- Use a fast evaporating solvent to dilute the epoxy such as acetone or MEK (ketone based solvents). Add no more than 5% solvent by weigh or by volume to the mixed resin.
- Ensure that the entire wood surface is coated with the epoxy sealant. For best results, coat the entire exposed surface area with the prepared epoxy resin mixture.
- Apply multiple coats until all porosity of the wood is sealed; some grain rising can be expected upon coating.
- Allow the applied coats to cure for at least 24 to 36 hours before proceeding.
- For a smoother finish, sand the cure surface just enough to remove surface gloss and removed and surface blemishes caused by the grain raising.
- Lightly sand the surface to remove any grain rising if desired with 280- to 300- grit sandpaper.

Please visit our web site at
www.polymercompositesinc.com
for ordering and information.
Or call our customer service number:
877 403 8008
Monday to Friday
9:00 am to 4:00 pm PST
You can also find us on eBay at
www.stores.ebay.com/Polymer-Products

Wood Sealing Procedure

4x8 Plywood
800/400 grams MAX PCR A/B
30.0 Grams Acetone
Applied via Roll Coater

Mix Well

800 Grams MAX PCR PART A

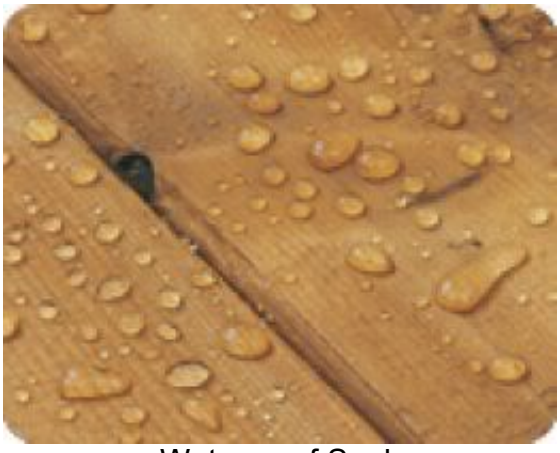
Add Acetone – Maximum 7% by Weight – Mix Well

400 Grams MAX PCR PART B

Apply 1st Coat

Wood Sealing Procedure

Allow to Penetrate for 20 Minutes

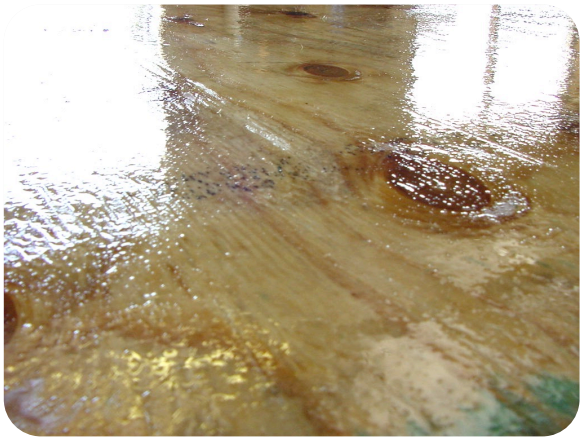


Waterproof Seal

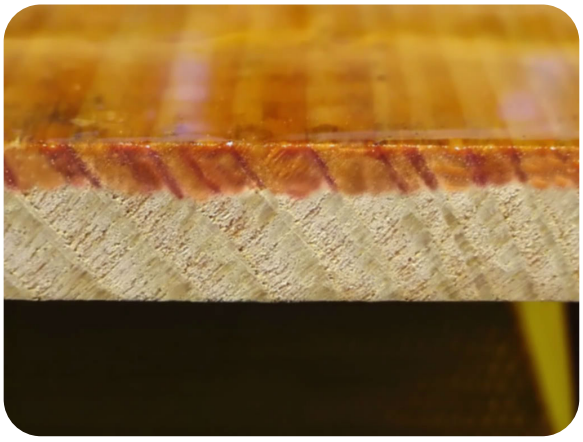
Apply Heavy 2nd Coat

Products for Wood Sealing and Waterproofing

MAX CLR –
http://www.ebay.com/itm/310123985135
MAX CLR-HP –
http://www.ebay.com/itm/310187764669
MAX BOND LOW VISCOSITY –
http://www.ebay.com/itm/280255931847
MAX PCR –
http://www.ebay.com/itm/310074924441



Allow to Cure for 24 Hours

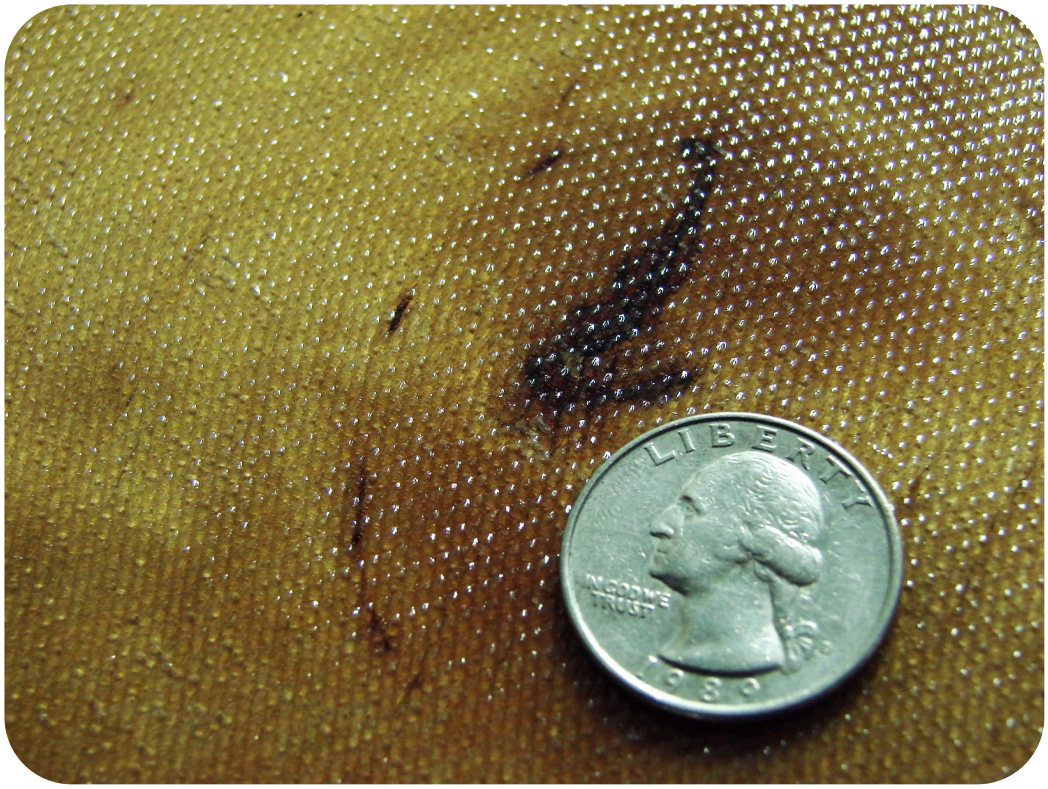


Depth of Penetration – 7% Acetone Solution

Fiberglassing Over the Sealed Wood for Increased Strength and Stability

Choose the proper fiberglass weight and weave for the job.
Recommended fiberglass styles

- **STYLE 7500 – Purchase on eBay**
- **STYLE 1581 – Purchase on eBay**



- **Apply another coat of the epoxy, this time do not add any solvent to insure maximum strength development.**
- **Use a plastic spreader or flat plastic spreader to consolidate the fiberglass to wood. Use this to smoothen the fiberglass and remove excess resin and entrapped air bubbles.**
- **Allow the epoxy resin to cure for 24 hours.**
- **Upon cure, the cured laminate can be directly painted with a UV resistant polyurethane or acrylic paint to protect the epoxy resin from the damaging effects of direct UV (sunlight) exposure.**

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