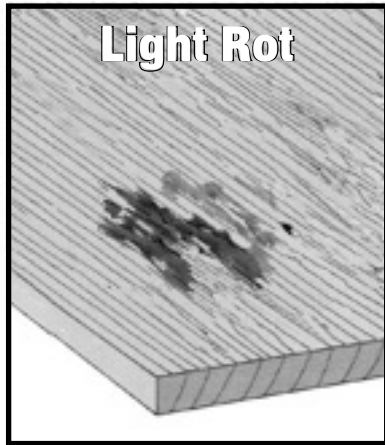


# Application Guide

The following diagrams and steps show the application process based on the severity of rot. Of course, each rot situation is unique and what you do will depend on what you're dealing with--but these basic techniques will get you started. The folks at **THE ROT DOCTOR™** will answer any questions and give you technical advice via email or by phone if you can't find the answer on our web site. We will also examine photos of your project if they are sent to us as jpeg files.



**Light Rot**

- 1 Brush or dab **CPES™** (Clear Penetrating Epoxy Sealer™) on surface of rot, allowing bad area to absorb all the liquid it can.

Let cure 1 to 3 days.

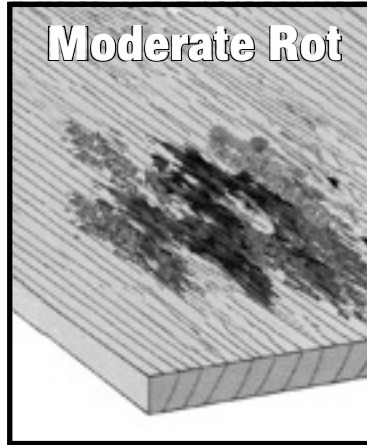


- 2 Optional: Go back over surface with **Fill-It™ Epoxy Filler**, if required.



**NOTE 1:** You will get best results if the area is reasonably dry. We most often use a hair dryer, but a heat gun, vacuum exhaust, or a lamp or utility light can work as well. For the more inaccessible areas, acetone poured into or over the wet, rotten area is effective in displacing water. Please use caution with any drying method.

**NOTE 2:** The Layup & Laminating™ Resin is particularly valuable when it can self-flow into the rotted area. In some vertical applications this is not possible and a thin barrier film is all that can be applied prior to the application of Fill-It™ Epoxy Filler.



**Moderate Rot**

- 1 Remove any badly rotted wood if necessary. Try to get the area as dry as possible. See Note 1.



- 2 Brush or inject **CPES** into and around rotted area. Apply all the liquid the area will accept.

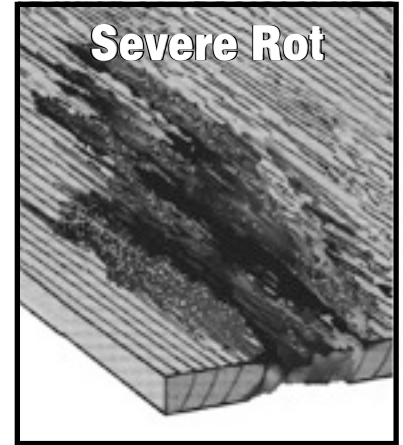
Let cure 1 to 3 days.

- 3 Optional: Follow-up with **Layup & Laminating™ Epoxy Resin** if more fill is required.

Let cure 24 hours.



- 4 Apply **Fill-It Epoxy Filler** into and over rotted area.



**Severe Rot**

- 1 Remove chunks of rotted wood. Try to get the area as dry as possible. See Note 1.

Drill holes for injection if large timber.

- 2 Completely soak, spray and/or inject **CPES** into the area. Apply generously. Make sure liquid flows into all cracks and grooves.

Let cure 1 to 3 days.



- 3 **Layup and Laminating Epoxy Resin** can be applied with a brush and/or caulking tube pumped into rotted area. Let cure 24 hours.

- 4 Fill rotted area with **Fill-It Epoxy Filler** or a mixture of **Layup & Laminating Epoxy Resin** and fine sawdust, silica, etc. for special situations. See Note 2.



# Getting Started



In most cases **CPES™** can be applied with a cheap and **disposable natural bristle brush**. (Do not use foam brushes). CPES™ can be mixed in polyethylene and polypropylene containers (plastic paint buckets, margarine tubs, cottage cheese tubs, etc.), and metal containers. Do not use paper containers (cardboard paint buckets), polystyrene (foam) containers, or any disposable drink containers.

Many times a more precise or generous application of CPES is required. **The Rot Doctor** sells several application accessories for unique rot repair jobs . . . our **CPES Injection Kit** which includes a 50 ml syringe with 14 gauge 1.5” needles. For larger jobs, we recommend the **1-liter Spray Bottle** which comes with a funnel. If applied by spray, the nozzle should be set to COARSE spray to avoid losing CPES into the air.

Initially CPES has a strong odor; the carrier solvents are powerful. The fumes dissipate eventually, but, take precautions while applying the CPES in an enclosed area or while spraying. We now offer a very good cartridge **Respirator by Moldex**, which is NIOSH and MSHA approved for organic fumes. Special attachments for dust and particulates are also available.



In areas where deep rot has been extracted, it may be necessary to follow the CPES rot treatment with resin and/or a filler. All of our products are molecularly compatible with each other for excellent bonding.

**Layup and Laminating™ Epoxy Resin** is a flowable mixture-- best applied with a brush, poured or injected using a caulking cartridge (we sell **Re-usable Poly Caulking Tubes**). Like CPES, it is a two-part, wood-derived epoxy formula. It bonds well with wood for a tough and somewhat flexible fill. For extremely high strength, we suggest using our Layup and Laminating Resin mixed with **Fine Sawdust** to the desired consistency. This mix can be toned to any shade of brown with our **Brown Epoxy Coloring Agent**.



**Fill-it™ Epoxy Filler**, also a two-part, wood-derived epoxy formula, has the consistency and manageability of putty and can be mixed and applied with a putty knife. It is reinforced with fiberglass strands and dries hard to an off-white, sandable finish. It too can be toned to any shade of brown with our **Brown Epoxy Coloring Agent**.



We recommend using vinyl gloves. Clean-up can be done with our **Epoxy Cleanup Solvent** or with lacquer thinner.



*All of our epoxy products are manufactured by a single company, are tested and true, and will work exactly as advertised. The epoxy products are custom formulated from resins derived from wood. They are more expensive to manufacture than the standard petro-derived resins, but bond better to wood, and are tougher and more flexible. We have tested them all ourselves and found nothing else on the market that will equal them. We guarantee their value. It's that simple. We ship by the next business day and all products come with directional literature.*

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Please feel free to phone, fax or e-mail us if you have any questions. Our phone hours are 6:30 AM to 5:30 PM Pacific Time, Monday through Friday and tech support is available over weekends.

