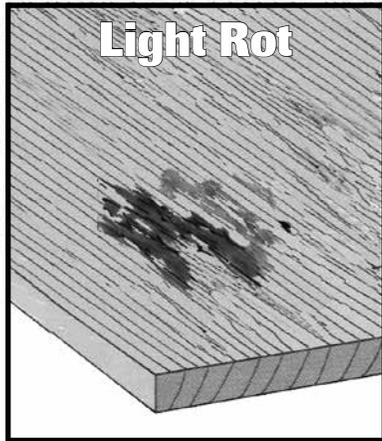


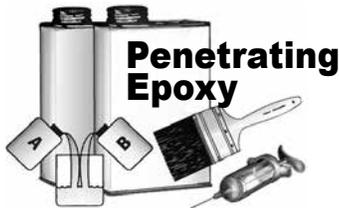
Application Guide

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.



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

Let cure 1 to 3 days.

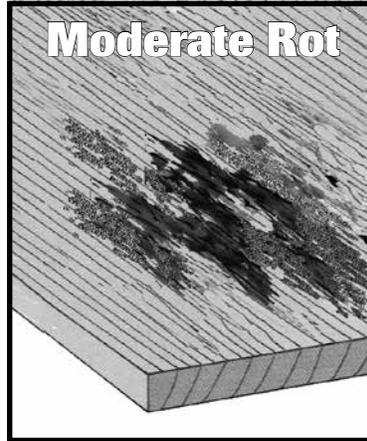


- 2 Optional: Go back over surface with **Epoxy Filler, Putty or Paste** if required.



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 Epoxy 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 Epoxy Filler, Putty or Paste.



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



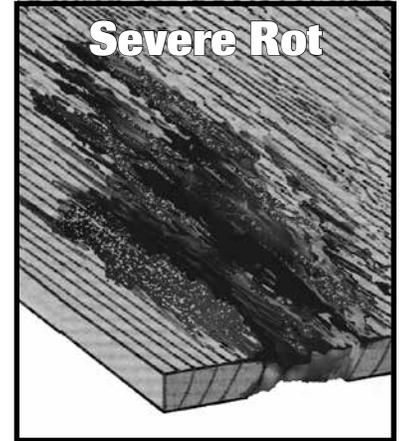
- 2 Brush or inject **Penetrating Epoxy** into and around rotted area. Apply all the liquid the area will accept.

Let cure 1 to 3 days.

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



- 4 Apply **Epoxy Filler, Putty or Paste** into and over rotted area.



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

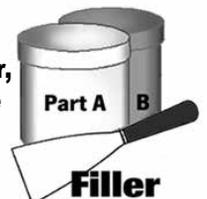
Drill holes for injection if large timber.

- 2 Completely soak, spray and/or inject **Penetrating Epoxy** into the area. Apply generously. Make sure liquid flows into all cracks and grooves. Let cure 1 to 3 days.



- 3 **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 **Epoxy Filler, Putty or Paste** or a mixture of **Epoxy Resin** and fine sawdust, silica, etc. for special situations. See Note 2.



Getting Started



In most cases **Penetrating Epoxy** can be applied with a cheap and **disposable natural bristle brush**. (Do not use foam brushes). Penetrating Epoxy 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 Penetrating Epoxy is required. **The Rot Doctor** sells several application accessories for unique rot repair jobs . . . our **Penetrating Epoxy 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 Penetrating Epoxy into the air.

Initially Penetrating Epoxy has a strong odor; the carrier solvents are powerful. The fumes dissipate eventually, but, take precautions while applying the Penetrating Epoxy in an enclosed area or while spraying. We 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 Penetrating Epoxy rot treatment with epoxy resin and/or a filler, putty or paste.

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 Penetrating Epoxy, it is a two-part epoxy formula. It bonds well with wood for a tough and somewhat flexible fill. For extremely high strength, we suggest using our Epoxy 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**.



The **Epoxy Fillers** either putty or paste, are also two-part epoxy formulas, that can be mixed and applied with a putty knife. They dry hard to a beige, sandable finish. Both 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 lacquer thinner.



These are general instructions to help you get started. With 20+ years of experience helping our customers repair their rotten wood, there is very little that surprises us. Since each project can have unique challenges, it's hard to cover every eventuality. We can help you determine amounts of products needed for your project. Pictures help. Please contact us we would love to discuss your project with you, give you our advice, tips and tricks that we have learned over the years.

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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.



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