



## Wood Treatment and Preservation Products

*We know wood rot and how to repair it!*

We are available 7 Days a week  
By Phone 206-364-2155  
and Email [drrot@rotdoctor.com](mailto:drrot@rotdoctor.com)

[Home](#) > [Product Line & Price List](#) > Fill-It™ Epoxy Filler

# Fill-It™ Epoxy Filler



- **An Overview**
- **Application Guide**
- **Easy Instructions**
- **Tips and Techniques**
- **Cure Time Chart**

## An Overview

Using hydrogen bonding technology, this is a high strength, light weight, non-sagging and easily sanded epoxy filler. It consists of an epoxy resin and a curing agent derived from wood resins, which makes it very compatible with wood. It is reinforced with short glass fibers for tensile strength. Used with Clear Penetrating Epoxy Sealer™ as a base coating, it forms a tight molecular bond for long term stability and moisture resistance.

Fill-It bonds well with all clean fiberglass surfaces and can be used effectively to fill holes, cracks and depressions in the fiberglass. If applied to a smooth gel-coated surface, lightly sand the glass surface and wipe down with lacquer thinner or acetone before applying the Fill-It to the surface.

In addition, Fill-It bonds well to any properly prepared surface of wood, metal, glass and most plastics. There are some plastics that epoxies do not like to bond to, primarily in the polyethylene family. These are the types of plastics commonly used in margarine containers and Tupperware, as well as Saran Wrap-type plastic kitchen wrap. The best bonding surface is clean of oils or other contaminants, and scuff sanded with a scotch pad or medium grit sandpaper. Fill-It bonds exceptionally well to surfaces that have been treated with CPES first.

## Packaging

Fill-It is available in 12 oz, 2 Pints and 1 Gallon units.

## Easy Instructions

The two components are mixed 50:50 by volume to become a gel-like paste which may be faired and worked to a feathered edge. It cures overnight, and then can be carved, drilled without cracking, or primed/painted. See diagram at upper right. Pilot holes for screws and nails will need to be pre-drilled prior to the insertion of the fastener.

## Tips and Techniques

Fill-It is most easily mixed on a flat, smooth board. Equal amounts **by volume** are put on the board

### 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  | Moderate Rot   | Severe Rot   |
|--|--|--|
| <p><b>1</b> Brush or dab <b>Penetrating Epoxy</b> on surface of rot, allowing liquid area to absorb all the liquid it can.<br/>Let cure 1 to 3 days.</p> | <p><b>1</b> Remove any badly rotted wood if necessary. Try to get the area as dry as possible. See Note 1.<br/><b>2</b> Brush or inject <b>Penetrating Epoxy</b> into and around rotted area. Apply all the liquid the area will accept.<br/>Let cure 1 to 3 days.</p> | <p><b>1</b> Remove chunks of rotted wood. Try to get the area as dry as possible. See Note 1.<br/>Drill holes for injection if large lesion.<br/><b>2</b> Completely seal, sand and/or inject <b>Penetrating Epoxy</b> into the area. Apply liberally. Make sure liquid flows into all cracks and grooves.<br/>Let cure 1 to 3 days.</p> |
| <p><b>2</b> Optional: Go back over surface with <b>Epoxy Filler, Putty or Paste</b> if required.</p>   | <p><b>3</b> Optional: Follow-up with <b>Epoxy Resin</b> if more fill is required.<br/>Let cure.</p>  | <p><b>3</b> <b>Epoxy Resin</b> can be applied with a brush and/or caulking tube pumped into rotted area. Let cure 24 hours.</p>  |
| <p><b>4</b> Apply <b>Epoxy Filler, Putty or Paste</b> into the rotted area.</p>  | <p><b>4</b> Apply <b>Epoxy Filler, Putty or Paste</b> into the rotted area.</p>  | <p><b>4</b> Fill rotted area with <b>Epoxy Filler, Putty or Paste</b> or a mixture of <b>Epoxy Resin</b> and fine sand, silica, etc. for special situations. See Note 2.</p>   |

**NOTE 1:** The above instructions are for wood. If you are using Fill-It on a surface that is not wood, you may need to use a different curing agent. Please contact us for more information. For more information on the use of Fill-It on other materials, please contact us. For more information on the use of Fill-It on other materials, please contact us.

**NOTE 2:** For severe rot situations, it is recommended that you use a mixture of **Epoxy Resin** and fine sand, silica, etc. for special situations. See Note 2.

**Click Image to Enlarge**

surface, and then folded, swirled and chopped until a consistent color is obtained. There is a  $\pm 10\%$  mix-error margin so volume amounts can usually be judged by eye. If the Fill-It mix is going to be color-toned with our Epoxy Coloring Agent, the toning colorant can be added in small amounts after the Fill-It is mixed. If you wish to mix **by weight** the ratio is nine parts A to ten parts B.

If required, the mix can be loaded into our re-usable caulking tubes for pumping into vacant areas. If the tip is cut off the tube nozzle first so it can vent air, the 10 oz caulking tube can be completely loaded with one of the tongue-depressors supplied with the Re-Usable Caulking Tube kits.

Best results using Fill-It Epoxy Filler are obtained by first smearing a thin film against the surface, or if filling a cavity, working a small amount into all the holes and crevices with a putty knife, or the tip of the caulking tube. Additional material can then be added immediately to build the required thickness. For very large areas where sagging may occur, two or more applications may be necessary. Uncured Fill-It filler may be smoothed by placing a thin film of polyethylene over the material and using a squeegee or similar tool to smooth-out through the plastic. The plastic can be easily removed after the filler has cured. Sanding before painting is recommended.

In deep vertical or overhead applications the filler may sag away under its own weight. Fill to the point of sagging, allow to cure (see cure time chart bellow), and then come back and complete the fill.

**ALWAYS MIX THOROUGHLY!**  
**IMPROPER MIXING IS THE GREATEST CAUSE OF EPOXY SYSTEMS FAILURE.**

### FILL-IT™ EPOXY FILLER • CURE TIME CHART

|                       | Pot Life   | Cured To Sand | Full Chemical Cure |
|-----------------------|------------|---------------|--------------------|
| <b>100° F (38° C)</b> | 1/2 hr.    | 3 hrs.        | 10 hrs.            |
| <b>70° F (21° C)</b>  | 1 1/2 hrs. | 8 hrs.        | 24 hrs.            |
| <b>55° F (13° C)</b>  | 3 hrs.     | 16 hrs.       | 2 days             |
| <b>40° F (4° C)</b>   | 6 hrs.     | 32 hrs.       | 4 days             |
| <b>28° F (-2° C)</b>  | 16 hrs.    | 3 days        | 10 days            |

NOTE: Cure and recoating time will vary depending upon ambient conditions and the type of topcoat being applied. High humidity and/or low temperature will retard cure and recoat times

**Fill-it Epoxy Filler is a hazardous product. Check the [shipping options](#) page for details on shipping hazardous items. For additional information, refer to the Fill-it Epoxy Filler [Safety Data Sheet](#).**



**The Rot Doctor, Inc.**  
**P.O. Box 30612**  
**Seattle, WA 98113**  
**Voice: 206.364.2155**  
**Fax: 206.364.4744**  
**E-mail: [drrot@rotdoctor.com](mailto:drrot@rotdoctor.com)**

Order by phone, fax, mail, or e-mail.



© 1997-2021 The Rot Doctor, Inc.

**All products ship within 2 business days from both coasts!**

**Our business hours are 6:30 AM to 5:30 PM Pacific Time, Monday-Friday.**  
**Tech support is available over weekends and holidays.**