W300
FLEXIBLE EPOXY PASTE

INSTRUCTIONS

DESCRIPTION: ConServ 300 FLEXIBLE EPOXY PASTE is a two part flexible epoxy filler mixed at a 1:1 volume ratio for ease of use. It is designed for filling voids and surface imperfections in wood. W300 is fast curing for cold weather down to 35°F, or for when a faster cure time is needed. The ***ConServ 300 series*** is flexible to withstand some of the ongoing expansion and contraction of wood, yet firm enough to replace damaged portions of wood trim and framing. It is easily tooled, carved, planed, drilled or sanded. It will accept nails and screws, and can be painted or stained solid. Applications include windows, doors, trim, siding, porch elements (columns, balustrades, flooring), stair parts, framing, logs, timbers, and ornamental components etc.

NOTICE: ConServ epoxy product labels and literature are ***color coded for proper identification***. Please take time to acquaint yourself with all labels, instructions and precautions before mixing. View instructional videos at conservepoxy.com. Due to the variety of uses, application methods and conditions that customers might use this epoxy product for, no warranty is written or implied.

WOOD PREPARATION: Normally involves removing most of the loose and soft decay close to good wood prior to applying epoxy consolidant 100 or W100. Wood to be epoxied should be ***clean and dry with a moisture content below 20%***. Porous areas to be filled with Epoxy Paste W300 should be primed with ConServ 100 or W100 so the W300 paste adheres to stabilized wood. For vulnerable moisture prone areas that have sustained decay, consider first treating with liquid borate preservative 700-BC or 700-BD.

MIXING: ***When mixing in hot weather or using large quantities, put the mixing container on ice and keep it in the shade to slow down curing and increase working time. This is especially important for large batches of W300. Begin slowly and mix part A and B separately by hand for 3-5 minutes. Use two sticks that are firm and flat. Label one A and one B. Thoroughly mix A and B separately just this one time to fully blend the ingredients. Accurately measure out equal parts of A and B at a 1:1 volume ratio and mix thoroughly. Mix small quantities in a clean disposable container, on a non-porous mixing board or on a ConServ 900-MH Mini Hawk with a putty knife or mixing stick. Seal any unused cans to prolong shelf life. Mix all of A and B together, preferably in the A can, if the entire batch is being used.*** In order to maintain good quality and get a full cure of the epoxy, it is important that each batch be mixed completely for approx. 5 minutes and possibly more for large batches. If there are still any red spots of A or white spots of B, stir them thoroughly into the mix so they will cure completely. If the mixed epoxy needs to be thicker for your specific application, just blend in a small amount of 200-D Thickener to achieve the desired consistency.

CAUTION: Large quantities of mixed epoxy will generate heat in 5 to 10 minutes. ***To prolong the working time, put cans on ice, roughly spread out small amounts of epoxy to lessen the volume and or use quickly.*** This is important when using large volumes or working in warm temperatures.

APPLICATION: The ideal temperature range for W300 is 50°-90°F, but it can be applied in warmer and colder temperatures. If possible, avoid applying epoxy in direct sunlight during hot weather or in rain. Preferably use a wet on wet application over the ConServ 100 series for the best chemical bond, but the W300 epoxy paste can be applied after the 100 has cured. W300 can also be used without applying 100 consolidant when the substrate is not very porous. ***The ConServ Epoxy Mini Hawk 900-MH*** is a convenient and productive tool for handling epoxy. Plastic or metal putty knives, straight edges etc. are good tools for applying epoxy paste. Two sizes of empty caulk tubes are available to load with epoxy for specific applications. Fill large voids over 1½" deep in layers. Allow an hour or more between lifts unless working in large timber, using wood infill pieces, or if temperatures are cool which will keep the epoxy from curing too fast. Protect treated areas with clear polyethylene or another type of cover to keep the repair zone warm in cold weather and dry until epoxy has cured.

CURING: ConServ W300 takes 1-2 days to cure at 72ºF. Temperature is the determining factor. Heat will cause epoxy to cure faster and cool temperatures will slow down the cure. Expect approximately double the cure time for every 20°F drop in temperature.

CLEAN-UP: Reusable tools may be wiped clean with dry paper towels immediately after the epoxy has been applied. Discard paper towels, non-reusable containers, brushes etc. according to local regulations. White vinegar will soften cured epoxy on tools or equipment if allowed to soak for an extended period of time. Acetone, Methylene Chloride and MEK softens cured epoxy for easy removal, but should be avoided due to the toxicity. Clean out the can of excess epoxy paste by using a thin rectangular piece of wood, plywood or squeegee that easily fits inside the can. Press it around the inside wall and wipe off onto a Mini Hawk after each swipe. Start at the rim and work downward.

SAFETY: is a function of common sense and good housekeeping. ***Wear chemical resistant disposable gloves, dust mask as required, eye protection, and work clothes***. Don't get epoxy on your skin or clothing and work with good ventilation.

STORAGE: ConServ 300 series epoxy paste has a ***one year shelf life if stored at cool temperatures and kept dry in tightly sealed containers.*** Epoxy stored at 50°F to 75°F is a guideline for an ideal long term storage temperature.

TECHNICAL DATA

MEASURE BY VOLUME
W300 ratio of 1 A : 1 B

CURE SCHEDULE:
W300 Epoxy **Working Time:** 6 fl oz = approximately 30-60 minutes @ 72ºF
Gel Time 6 fl oz = approximately 1-2 hours @ 72ºF
Cure Time: 1-2 days @ 72ºF (75% cured, tack free)

Cold temperature extends cure time, but W300 can be used down to 35ºF with wind protection. ***Hot temperature*** shortens working time and cure time. In hot weather avoid exposure to intense sunlight until final cure is complete. Large volumes speed up cure time due to the heat generating exothermic reaction of epoxy.

PROPERTIES:
Color: Tan, can tint with dry mortar colorant or liquid tint.
Viscosity: Toothpaste consistency that holds its shape for small fills on horizontal, vertical and overhead surfaces. For large fills or specific applications, it can be thickened by adding just enough 200-D Thickener (sold in six sizes from a large 200-1D to a small 200-6D bag) to achieve the desired consistency.
Operating Range: -30ºF to 160ºF for cured epoxy
Mixing Range: 50ºF to 90ºF is ideal, but in colder temperature pre-warm epoxy or mix for 5-10 minutes to start a reaction
Shelf life: 1 year in unopened original containers

PACKAGING and YIELD: ConServ W300 is supplied in six sizes (W300-1 to W300-6) in quantities of ¾ gallon (-1), 3/8 gallon (-2), ¾ quart (-3), ¾ pint (-4), 3/8 pint (-5) and 3 fl oz (-6). Yield is equivalent to the set size purchased.