

SUCCESSFUL REPAIRS WITH PC-METAL™ PUTTY EPOXY

USAGE, TIPS AND PROBLEM SOLVING

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USES

PC-Metal™ can be used on metal, fibreglass, gas tanks, metal drums, radiators, metal & steel doors, tools, pipes, wood, brick, marble and more. Please contact us (see end of document) if you're unsure if PC-Metal™ is suitable for your project and we'll be happy to advise.

PREP

Prepare your surface as best you can to ensure the best possible bond with PC-Metal™. Cutting oils and greases will affect adhesion. Remove contaminants such as dust, dirt, oil and grime with a solvent such as methylated spirit, acetone, rubbing alcohol (isopropyl alcohol) or lacquer thinner. Mild detergent solution in water is also good for removing contaminants. Do not use white spirit or paint thinner for removing contaminants.

Remove rust and loose paint with sandpaper or wire brush. Epoxy typically sticks to most paints. If there's a concern of the paint's adhesion then remove it with sandpaper or wire brush.

Smooth, glossy and shiny surfaces should be roughened using sandpaper to increase adhesion.

MIXING

PC-Metal™ is very fast curing so only mix as much product as you think you can apply in this time. You will be able to apply more to continue filling across an area, PC-Metal™ sticks to PC-Metal™. It can be applied thick or thin, it cures from within via a chemical reaction.

PC-Metal™ has a consistency similar to Plasticine.

PC-Metal™ should be mixed by hand and we recommend wearing disposable gloves to minimise contact with skin.

Using a knife, slice the required amount of epoxy from the stick. Press and roll the putty with your fingers until the colour is uniform. Due to the fast cure time it is best to mix small amounts, for no more than 45-60 seconds, then applying immediately. Mixing for too long may affect adhesion if the work-time is near completion.

Unmixed epoxy can be stored in its tube for use another time. Store in a cool location.

FIX YOUR THINGS™

WITH PC-PRODUCTS®

CLEAN-UP

To clean any tools or mixing surfaces use methylated spirit, acetone, rubbing alcohol (isopropyl alcohol) or lacquer thinner to clean tools and mixing surfaces before PC-Metal™ cures.

Clean hands and skin with soap and water.

Cured epoxy can be removed by applying paint remover or paint stripper to soften the epoxy surface. Scratch off the softened epoxy. Repeat as needed.

FINISHING

After PC-Metal™ has fully cured it can be sanded, drilled, cut and painted. Within 3-5 minutes PC-Metal™ will be very hard, reaching full hardness in 60 minutes.

Tapping threads in PC-Metal™ is not advised. It is better to set the bolt or threads in the mixed PC-Metal™. Coat the threaded screw or bolt with release agent if it needs to be removed.

We recommend applying a stain-sealing primer/sealer to the repair before painting.

GET MORE HELP

If you need any advice about your repair project please get in touch.

UK: hello@pcepoxy.co.uk
020 8866 2462

US: technical@pcepoxy.com
610 432 3543