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Stonehenge Model Repairs

Bethan,

Please find enclosed the replacement stones, some spares/extras, and the kit to help in the fitting.

Contents:

Replacement Stones – a couple of stones to replace the one that came off the model.

Spares – various other stones from the model should they need replacing.

Bronze powder.

Epoxy resin.

Wire wool.

Mixing palette and sticks.

Masking tape.

Process

- If required, drill 2 holes for the stone metal studs. 4 or 5mm drill bit should be enough.
- Mix small amount of epoxy on palette, add a small amount of bronze powder (too much will over-thicken the adhesive). You need to have everything ready to carry out the work – the adhesive will start curing in a few minutes.
- Apply adhesive to the studs, underside of the stones, and in the drilled holes (might need a match stick for this). Enough to fill the drilled hole and encapsulate the studs, but not so much that the adhesive squeezes out everywhere.

- Fit the stone, wiping/removing/spreading the adhesive around the base of the stone, or away if there is too much.
- If the glossy adhesive is obvious, sprinkle some of the bronze powder over the glue join.
- If the stone needs holding in place while the adhesive cures, tape it in place with the masking tape. Ensure that the tape does not touch the adhesive.
- Leave for half a day, or 24 hours if possible.
- Remove the tape, check that the stone has bonded successfully.
- Using the wire wool, rub the joint and area around the repair so that any adhesive and bronze powder will be polished and will match the rest of the model. If the repair looks too shiny and new, expand the area around the repair that you rub with the wire wool, so that it blends better.

I hope that makes sense. If the repair needs more filling (the last repair I did had quite a large hole due to 'wiggling' of the loose stone) Then mix up a small amount of the epoxy with enough bronze powder to thicken the adhesive, and use that as a filler. Polish back once fully cured.

Regards

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