

METHOD STATEMENT – TRS TYPE A OR B - MODIFIED VERSION - SIDE SLOTS

1. Fully support the load through to ground using appropriate props. All propping must be continuous down to ground and must not be supported off any suspended construction without the written permission of the client.
2. Mark the slots on the side of the beam and then drill into the side of the beam, starting at the proposed cut-off point to create the slots specified in the Design Drawing, half the overall bar length long. The slots can be created by a combination of auger stitch drilling, 3D cutter, chisel cutting or chain saw cutting.
3. Cut off the decayed end.
4. Fit the steel rods and secure with spacers (wood, nuts or nails to raise the bars above the slot floor).
5. Construct a shutter box (waxed inside for Type A – removable shutters) to bridge the gap between the cut off end and the wall face, which may also need to extend onto the wall to form the bearing, unless the bearing hole in the wall can be sealed with mortar. Seal the joint faces and fit the shutter strips over the slots with Quick Setting Wood Filler Paste. Ensure that the box is of robust construction - the resin is extremely heavy and any movement in the box may lead to expensive leakage. If you are using more than one pack size of resin, use the smallest pack first and allow time to check for leaks. If necessary additional resin can be poured on top of the hardened first pour for up to 48 hours without having to abrade the resin surfaces.
6. To mix the Structural Epoxy Pouring Resin, first remove all the containers from the big plastic bucket. Make a hole through the centre of the plastic lid to accommodate the shaft of the mixing paddle. The Grout cannot be hand mixed effectively.
7. In winter use ensure that the resins are warmed before mixing (e.g. fan heater or footwell of the Van).
8. Wearing vinyl disposable gloves, pour the two liquids into the big bucket and mix thoroughly using the paddle in the electric drill. Refit the paddle with the shaft through the lid and connect the electric drill. Put on a dust mask. Now, carefully slit the plastic bag containing the powder and pour it gently into the mixed resin. In cold weather slightly reduce the amount of powder used to reduce the thickness of the Grout and allow more rapid flow through the slots. Put the lid back on and mix with the electric drill for at least two minutes. Lift the lid and check for un-wetted powder. Continue mixing until all the powder is fully wetted.
9. Pour one tub of resin and allow to settle – check for leaks. If possible, allow the first pour to harden before proceeding. Pour the remaining resin into the box until it is full.
10. Allow at least 48 hours for the resin to harden, (subject to ambient temperatures - in cold weather the temperature needs to be monitored), before removing the shutter box, shutters and props. Props must be slowly wound down so as to apply loading to the beam gradually. The repair area must be monitored for signs of distress during loading and propping re-applied if necessary.