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Chapter 3

Post Insulator Technic

3.4 Insulator Repair

By Orient Power

Insulator Repair



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Insulator Repair

The insulator repair must be done personnel with a good knowledge about the material used. The repaired part shall be free from pores.

Evaluation of faults:

Faults which may affect the function of the insulator shall not be repaired and further the acceptance for repair shall be limited depending on the visual appearance. The defect surface shall be free from cracks.

Acceptable porcelain damages for repair:

- Glaze defects, scratches and scraping in the glazing
- Smaller damages on the sheds
- Smaller damages on the porcelain body and smaller chips broken out from the flange surface.

Insulator repair details:

➤ **Repair of porcelain with the broken piece available:**

After cleaning, brush the adhesive on one piece in a thin, covering layer. Place the two pieces in exact position and handpress the two pieces together for one minute. Excess adhesive is cleaned off.

➤ **Filling of chips and voids where the piece is missing:**

This repair is made with epoxy resin.

The resin is applied in layers and can be held in position with tape.

After hardening at room-temperature for 15 hours or at 70 - 80 °C for three hours, remove the tape, wash the resin surface clean and sandpaper the surface. Apply more compound if necessary, sandpaper and clean the surface.