

Customer Electricity Supplier, North West
Sector Power Generation
Date April 2012
Ref no. 20036

APPLICATION EXAMPLE

Damaged insulator – sub station

Situation

Several of the Flights / Sheds on the Insulator had been vandalised and were in need of repair. The cost of replacements is substantial and an on-site repair was sought by the customer. **Mark Specialist Applications** were called in.

Implication

The damaged Insulator was operating less efficiently than desired, and the alternative replacement costs and loss of supply / disruption we undesirable.

Solution

A mould was taken from a good part of the flight using a unique fast curing elastomeric polymer. After 10 minutes curing the mould was removed. The damaged profile was then rebuilt using a nonconductive epoxy repair paste, which is also fast cure.

The repair was dressed and then over coated with a high specification varnish to ensure complete surface encapsulation and thus effectiveness

Facts

The job took 8 hours to complete to include the rebuilding of two sheds, time saved over traditional repairs is enormous. Similar repair techniques offered take measurably longer due to the extended curing time of the moulding compound.

