

H.V. Bushing Services

Porcelain insulator repairs

A cost effective alternative to insulator replacement



Broken, chipped and burnt porcelain insulators rebuilt and coloured as original removing obvious health and safety implications associated with sharp broken porcelain insulators, reinstating bushing creepage distance, restoring pollution resistance and removing the possibility of moisture ingress, repairs meet mechanical and electrical specifications of original porcelain and damaged porcelain bodies are returned to full mechanical strength, this is a long term repair previously used and extensively tested across their full range of bushings by 'The Bushing Co Ltd, Reyrolle Ltd/Trench UK Ltd' until the company ceased trading in 2013.

Damaged areas of porcelain insulators are cleaned and sharp edges removed before being rebuilt with epoxy resin putty, this is moulded to the approximate profile of the original insulator and allowed to cure (this epoxy putty has no shrinkage issues unlike some other products previously on the market) resulting in a strong weather resistant bond.

The cured epoxy putty is then sanded on the inside and outside surfaces to replicate the original porcelain insulator profile and then a coating of coloured hazardous environment lacquer is applied and blended with the original colour making the repair invisible, this coating of lacquer is then allowed to air dry before a second coating of clear lacquer is applied resulting in a glossy hardwearing surface protecting against contamination and with good weather resistance suitable for rural and industrial atmospheres.

Field repairs to a small number of porcelain insulators can normally be carried out over two days on site resulting in a large cost saving due to the reduced off line time of the circuit and there being no need to remove the porcelain insulator from it's in service position.

A repair system used for many years resulting in a strong durable and invisible repair, previous repairs have performed well throughout the UK and worldwide with no reported problems.

Some of our Previous customers: National Grid, SSE, Scottish Power, Eon, Siemens, Trench UK, GDF Suez, Schneider Electric, Fundamentals, Morrison utilities, Powermann, IQA, Prolec(Mexico), Rosh Engineering

