



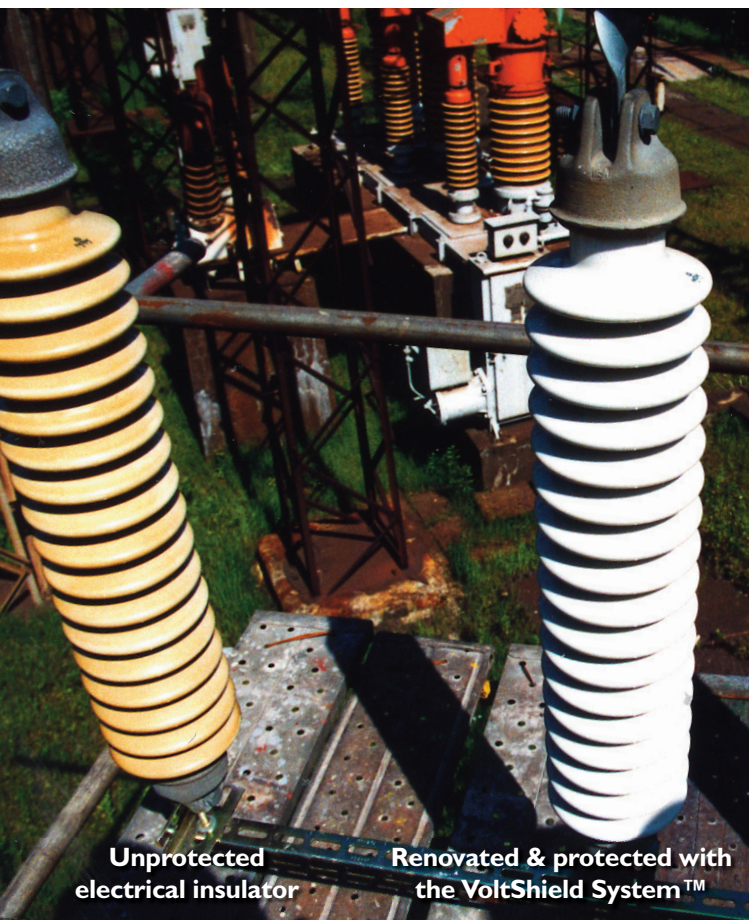
VoltShield®

The VoltShield System™

renovation • protection • maintenance

Unique 'non-stick' protection to prevent surface pollutant build-up on glass and glazed ceramic electrical insulators for:

- ✓ increased performance
- ✓ reduced corona activity and flashover failures
- ✓ potentially increased service life



**Unprotected
electrical insulator**

**Renovated & protected with
the VoltShield System™**

RITEC
www.ritec.co.uk



VoltShield®

Proven 'non-stick', easy-clean surface technology as specified by National Grid UK

Ordinary, unprotected glass and ceramic surfaces are chemically reactive. These surfaces therefore quickly and easily suffer permanent bonding of organic and inorganic contaminants such as cement dust, mortar, concrete, brickwork and stonework run-off, mineral salts from seawater, unburned hydrocarbons from industrial and traffic pollution, and metal oxides. Contaminants negatively impact electrical insulator performance and effective removal is difficult or even impossible.

The solution is VoltShield®, a chemically cross-linking polymeric resin with incredible 'non-stick' properties. VoltShield® resists the adherence of contaminants thanks to its cross-linked molecular bonding, resulting in enhanced insulator performance and reduced corona activity and flashover failures.

VoltShield® is completely transparent so will not mask the original glazed colour or identification mark of the insulator. It can be applied to new or existing insulators in the factory or on-site following a specialist renovation procedure.

Power frequency withstand and flashover voltage independent tests conducted on VoltShield® treated insulators to IEC 60060 by HVL Tamworth High Voltage Laboratory, UK have shown a marked increase in the wet withstand and flashover voltage values compared to similar untreated insulators. This and other independent tests have proved beyond doubt not only does VoltShield® meet the criteria of industry standards, it exceeds them too, and has since truly established itself out in the field.



Protect your electrical insulators... ask for the VoltShield System™ today!

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