

Application Focus

SF₆ Gas Leaks

Circuit breakers and switchgear are susceptible to leakage of Sulphur Hexafluoride (SF₆), a highly potent greenhouse gas. This can be caused by porosity due to faulty welds or corrosion and degradation of the gasket or joint, and as a result, SF₆ can be released into the atmosphere.

If leaks are not stemmed and repaired, further deterioration will occur resulting in:

- Environmental damage
- Uncontrolled loss of SF₆ gas
- Regular downtime
- Ongoing maintenance costs
- Potential high replacement costs
- High gas recharge costs

These costly implications can be quickly and simply prevented using the **Belzona® SF₆ Leak Sealing Solution**.

By utilising a cold applied Belzona® polymer repair composite, which is surface tolerant, leaks can be stemmed and sealed permanently, reducing downtime and manpower levels.

Belzona® can provide the answer to SF₆ leaks which will:

- Prevent environmental damage
- Reduce expensive replacement costs
- Minimise downtime
- Eliminate the dangers of repairs involving hot work



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Belzona® provides the solution to your repair and maintenance needs.


BELZONA®
Repair • Protect • Improve

Application Case Study

“ An electricity distribution company was experiencing a high release of SF₆ gas from their porcelain and steel CT bushings. Release of SF₆ gas into the atmosphere has a high potential of contributing to global warming, therefore it was important that this was resolved quickly. ”

SF₆ Gas Leak Sealing Solution

Belzona® provided a cost effective solution which was able to be carried out in-situ, and provided a long term repair preventing any further gas leakage.

After the application, a gas monitor test was undertaken and the results registered “zero” for gas leak detection.

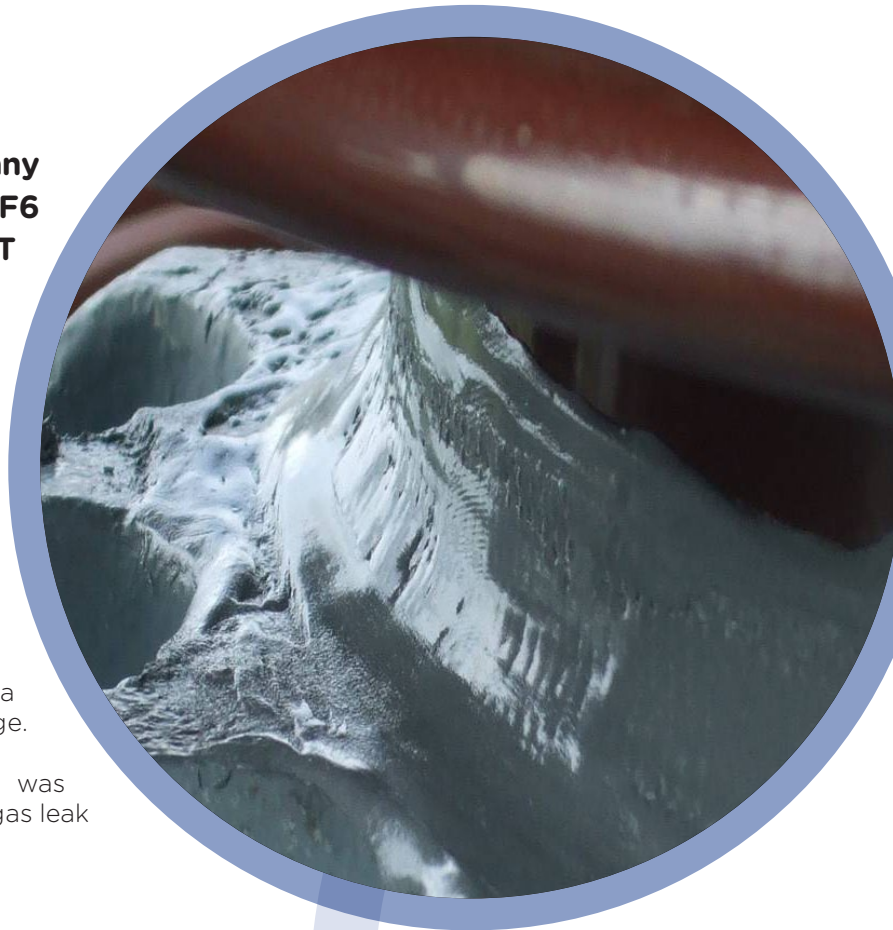
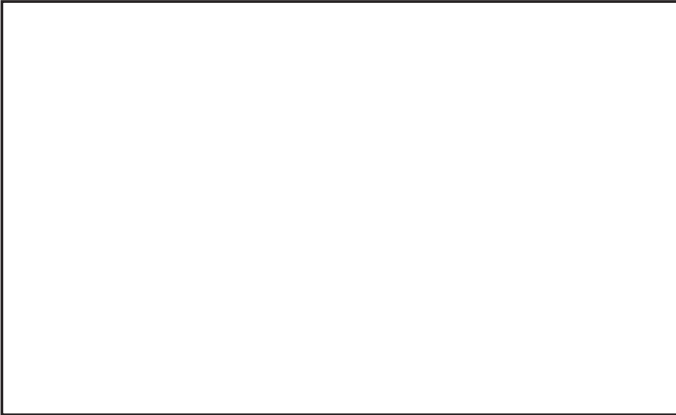
Local Service Technical Advice

Through a network of trained Technical Consultants Belzona® can provide a full 24 hour on-site service with guidance and technical advice on the **Belzona® SF₆ Gas Leak Sealing Solution**.

Backed by a specialist Belzona® global engineering team, the Technical Consultant will recommend a specific solution based on the analysis of the problem and where appropriate supervise the application, with training for on-site maintenance personnel also available if required.

For further detailed information refer to:
Belzona® **Product Specification**
Belzona® **Instructions For Use**
Belzona® **KNOW-HOW** *In Action*

For more information, please contact your local Belzona® representative:



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