

Belzona SF6-FIX

The online solution for SF₆ leaks



Belzona SF6-FIX is a sulphur hexafluoride (SF₆) leak sealing solution that can be applied online and without specialist tools. With **Belzona SF6-FIX**, leaks can be quickly and effectively reduced to undetectable levels, resulting in huge environmental and financial savings.

By using solvent free and cold applied products, Belzona can safely seal SF₆ leaks, repairing the asset and protecting the environment. Plus, this durable system of expertly applied specialist materials can be applied in just one day.

What is Sulphur Hexafluoride (SF₆)?

SF₆ is a synthetic gas commonly used in medium and high voltage electrical equipment to insulate live electrical parts and switch the flow of electrical current on and off. This equipment is vital for power grid efficiency and is key for connecting the generation and storage of renewable energy.

Key Benefits of Belzona SF6-FIX:

- Online application, minimum downtime
- Rapid installation, short cure times
- Can reduce leaks to undetectable levels
- Removable for joint access
- Excellent corrosion protection
- Durable, long-lasting solution



Sustainable

SF₆ is a major contributor to global warming, highlighting the importance of stopping leaks with solutions like **Belzona SF6-FIX**.



High Performance

This long-term, durable solution seals leaks quickly and expertly and offers a cost-effective method.



Experience

With decades of experience in the power industry, Belzona specialises in repairing and protecting crucial machinery and equipment.

Belzona Know-How *in Action:* Power Distribution Substation, UK, 2023



Problem:

This particular electrical switch gear was leaking 70 kg (154 lbs) of SF₆ per month. This was not only harmful for the planet, but resulted in substantial fines for the Energy Company. The Customer sought a solution to mitigate the leak.



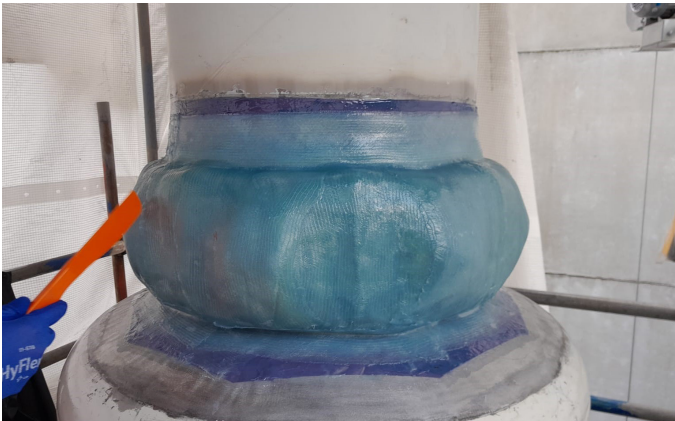
Flange leaking SF₆ gas



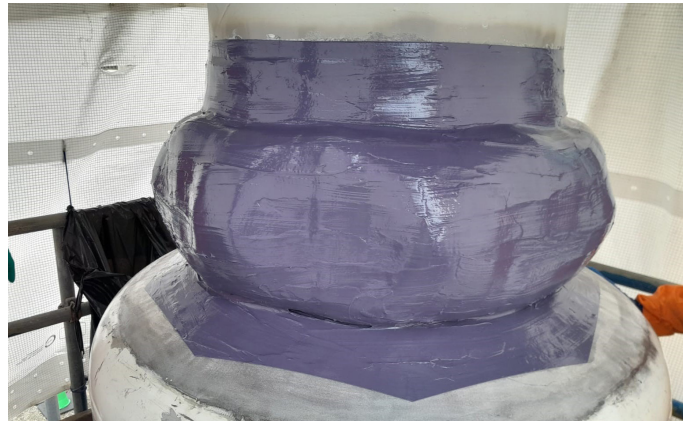
Prepared flange, ready for application

Solution:

Belzona SF6-FIX was selected to address the leak, and the single day, online application was carried out. Six months later, the solution has still reduced the leak to undetectable levels. The Customer is now implementing **Belzona SF6-FIX** across additional national substations.



Repair in progress



Fully encapsulated flange

GAS PERMEABILITY

SF₆ Gas Permeability Testing

When tested in accordance with ASTM D1434-82, the **Belzona SF6-FIX** system would typically achieve : 9.58 ml/m² atm.day.