



# REFLANGEKIT®



## ONLINE REPAIR FOR SF6 LEAKING FLANGE



-20°C to  
+65°C



SF6



Various  
flange models



Power plant  
installations



Nuclear power  
stations



BEFORE



AFTER



Composite Repair Specialist



**REFLANGEKIT®** is a SF6 leak sealing technique for flanges applicable online and under pressure.

**REFLANGEKIT®** concept is based on a double shell system that encapsulates the leaking flange. The first soft shell made in PVC will cover and protect the flange and collect SF6 leaks. The second shell made in PET will contain 3X specific resin. An exhaust valve allows the gas getting out during resin injection. After overnight curing of resin, the valve is closed and sealed.

Thanks to this original system, flange and bolts are protected during resin injection and disassembly.

The product can be easily removed without damage.



## REFLANGEKIT® HISTORY

**REFLANGEKIT®** has been designed, developed and tested in partnership with EDF R&D (French Electricity Supplier). Various pressure tests and aging tests have been performed internally and in EDF laboratories in order to propose high quality product.

Used by:



Type of flange:



**USE**

- Repair SF6 leaking flange

**APPLICATIONS**

- Nuclear and power plant installations
- Adaptable to various types of flange
- Temperatures from -20°C to +65°C (-4°F to +149°F)

**BENEFITS**

- Online and under pressure installation
- Non invasive system (none risk of resin intrusion into the flange)
- Bolt and screw protection
- Easy disassembly
- Cost effective installation (costly consignment avoided)

## REFLANGEKIT® IMPLEMENTATION STEPS

- Surface preparation  
Sa2½ / St3 and  
roughness Rz > 60 µm
- Leak sealing with  
soft cover application  
and valve
- Sleeve installation and  
valve protection
- 3X resin injection
- Valve plug  
and leak control

**TO GUARANTEE THE EFFECTIVENESS AND SUSTAINABILITY OF THE PRODUCT, THE INSTALLATION MUST BE PERFORMED BY 3X SPECIALISTS**