

EXTERNAL CORROSION PROTECTION FOR GAS INSULATED BUSBAR

ID: 9265



PROBLEM

This Gas Insulated Busbar (GIB) is in an exposed coastal environment, there was concern that breakdown of the existing paint system & subsequent corrosion could occur on the flange & bolts. A system was needed to provide long term protection for these areas.

APPLICATION SITUATION

Minimal disturbance to the structure was a requirement. A long lasting corrosion resistant solution was required.

APPLICATION METHOD

The areas were first cleaned then the existing paint system was roughened. Belzona 3921 GSC Conditioner was used as a primer followed by two coats of Belzona 5111 Ceramic Cladding.

BELZONA FACTS

The Belzona 5111 provides exception durability, UV resistance & a surface that readily sheds rainwater - this yields a 'self cleaning' effect beneficial in this application.

INDUSTRY

Power

LOCATION

Scotland

APPLICATION DATE

September 2023

PRODUCTS

Belzona 3921 (GSC Surface Conditioner)
Belzona 5111 (Ceramic Cladding)

SUBSTRATE

Carbon steel

PHOTOS

1. Complex geometry around the flanges
2. Access, cleaning & roughening of existing system
3. Belzona 5111 1st coat
4. Completed application at a later date after a rain shower. Rainwater shedding from the surface.

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