

GAD tank lining

Case study 2015

Focus products: Intercrete® 4872 and Interline® 975

Location: Turkey

Project owner: CCPP II

Applicator: Uyarlar Paint & Blasting

ISO12944 environment: C5

Project size: 2,000m²

Background

An Interplan® inspection carried out at CCPP Power plant on August 2015. Design failures observed between tank roof internal steel supports and roof plates as seen in photos.

The solution

It was reported about problem and issue on the roof support construction of the tank. There are gaps between support structures and roof plates, which were not possible to properly fill with coatings. These gaps may lead to premature coatings failure due to crevice corrosion. To prevent such case we would like to advise Intercrete tape application, below system;

Surface preparation: SSPC SP11 – corroded areas (roughening with coarse sand papers on to Interline 975 applied surfaces).

MR system: Intergard® 821 to fill gaps between supports and roof plates.

For tape application: Intercrete 4840 epoxy copolymer primer.

Intercrete 4872 tape.

Intercrete 4842 polymer modified elastomeric cementitious coating.

Corrosion risk of desing failure were taken under control by coating with Intercrete 4872 tape system. Customer and applicator were satisfied about application and technical trainee of Intercrete 4872 tape sealing system.

