

RasGas, Doha, Qatar

Case study

Focus product: Intercrete® 4840

Client: RasGas

Contractor: Apollo

Summary: Corrosion protection for steel sea water intake pipes



Background

With probably the most hostile climate and harshest service conditions to cope with, RasGas are aware of the need to constantly assess new technologies for heavy-duty corrosion protection.

The sheer size of the new sea water intake pipes for the expansion of the Ras Laffan facility brings new challenges for which an innovative approach was needed.

The solution

Traditional coatings prove impractical, but the water-based Intercrete 4840 is very easy to apply to large section pipes, even in remote field conditions. Intercrete 4840 was applied using a Graco King pump to grit blasted surface - white metal is not a pre-requisite. Intercrete 4840 does not require a separate primer and it offers immediate passivation of the steel surface. Curing to form a tough and durable protective skin with good chemical resistance, the Intercrete 4840 coated pipe can be buried without the threat of mechanical damage, even when using spoil taken from the trench. Intercrete 4840 is unaffected by contact with hot salt water and resistance to chloride ion penetration is a key feature.