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Offshore

The new insulation systems minimise the risk of under Insulation Corrosion

Armacell offer insulation systems developed to provide a solution to minimise the problem of under Insulation Corrosion experienced within offshore environments. The Arma-Chek systems all feature a substrate of Armaflex, a flexible closed cell elastomeric foam, together with surface covering options which meets the needs of the Engineering Specification Company. Arma-Chek systems are easy to install and can reduce the offshore installation and maintenance costs many times over compared to traditional and more labour-intensive insulation systems.

One of the biggest problems of insulating within offshore environments is the risk of Under Insulation Corrosion (U.I.C.). Many materials used traditionally within this extremely humid environment have been open cell fibrous materials with a metal cladding covering. Under the special offshore conditions, these cladding systems rust and fall apart leaving open cell insulation, which does not have an effective water vapour barrier exposing the pipe to risk of corrosion. The salt water vapour then soaks in through the insulation and attacks the pipe. Pipe maintenance can then cost millions of dollars, as lines have to be shut down and replaced.

The three coverings available from Armacell are:

Arma-Chek: A tough, water-based covering giving service in very tough environments in the harshest conditions.

Arma-Chek D: A covering which is very tough, easy to apply, lightweight and cost effective

Arma-Chek S: A traditional appearance for use on land base refineries and designed for those internal services, which occur on rigs, shipping etc.

Light weight and flexible, all Arma-Chek systems are easy to install and easily applied. They are suitable for the insulation of process pipework as well as complex shapes such as valves, ducts and vessels. Armacell offers training in application, a manual for installers and a technical back up service.

Arma-Chek systems are environmentally acceptable products: Armaflex is CFC and HCFC free (ODP of Zero) and not being fibrous it creates no dust during installation or use. The coverings are also ozone friendly. Armacell can also offer systems with good acoustic performance. Arma-Chek systems meet the international standards and classifications and achieved international fire performance tests such as British Standards (BS) and International Maritime Organization (IMO). Certificate verification has also been approved by the likes of Lloyds, DNV and ABS. Further information available upon request.

On these pages we have provided general technical data for the application of our products. For specific industry standards and further guidance within a particular country, please contact us via the CONTACT US function on this web page.

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended by the recipient.

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