



Kinetics Controls & Innovation Ltd

KCI Isolation Barrier Systems (IBS) form part of a range of KCI sealants which are fully engineered, bespoke solutions for safely optimising well and wellhead performance, maintaining well integrity increasing production and extending the life of mature assets and aging platform wells.

Isolation Barrier System Annulus Leak Sealing Solutions

Deployed as a fluid, these products convert to a resilient, self bonding, pressure energised, non-porous solid material to re-establish pressure retaining barriers and reinstate wellhead integrity.

Overview/Description:

KCI advanced Isolation Barrier Systems are ideal for mature aging platform wells. These products are designed for Rig-less operations and normally unmanned installations without the need for large amounts of equipment or personnel.

IBS now includes 3 variants which are specifically engineered for different applications dependent on the well and the issue identified. IBS can be designed to sink below seawater, float on oil or separate the two to cover individual requirements.

Features and Advantages :

- Deployed from surface as a liquid & converts to a flexible, non-porous solid material
- Can be formulated to various weights for specific requirement, 3-14ppg
- Seals leaks behind pipe
- Self bonding material prior to cure time
- CEFAS registered product
- Cure time can be delayed dependent on specific formulation
- Large temperature operating window – up to 120°C/248°F dependent on application
- Compresses and forms an energised seal against the down hole well structure
- Inert to most acids and typical well fluids

Ideal for Isolating :

- Casing shoe leaks
- Poor cement jobs
- Micro-Porosity or Micro-Annulus issues
- Leaking packer elements
- Protects wellhead seal structure from harmful well fluids



