

enclosures, Spelsberg ELS UK, Abox GT

## Gel filled enclosure system protects electrical junctions from flooding

News Release from: [Spelsberg els](#)  
20/03/2008

**Telford-based enclosures specialist Spelsberg ELS UK has launched its new Abox GT range of extreme environment electrical enclosures. The new range uses an extremely durable and easy to use gel fill system to protect electrical connections even after prolonged exposure to water, soil, sand or grit. The IP68-rated enclosure system will even withstand extended periods of total immersion.**

Abox GT enclosures are ideal for any application where electrical connections must be protected from the wet. Typical uses are in flood prone areas, washing installations, tunnels, docks and agricultural or horticultural applications.



A semi-setting gel compound protects the contents of the box after assembly. The gel is a two-part mixture designed for easy mixing and installation in the toughest site conditions. A handy mixer bag included with every box can be used to prepare and insert exactly the right amount of gel. Once cured, the gel filled enclosures are shock and fracture-proof, UV-resistant and exhibit low flammability.

Unlike other foam based systems where the foam is extremely difficult to remove after it has been inserted, the clear Spelsberg Abox GT gel can easily be removed without damaging the enclosure or the connections allowing for simple rewiring or reuse.

The Abox GT range is available in four sizes from 80x80x52mm to 140x140x79mm. The enclosures will handle cable cross sections from 1.5 to 10mm<sup>2</sup>. In tests, they withstand immersion in water to a depth of 15m for 168 hours.