



Cable protection on the seabed

Polymat

There are many existing subsea cables and pipelines on the seabed. When new cables are laid they often have to cross these existing lines. There is a risk of damage through abrasion or crushing if there is direct contact between the lines.

Polymat provides impact and abrasion protection along with Uraduct® for cable crossings. Polymat has been used to cover drill cuttings on the seabed to avoid abrasion and also used on drilling vessels/ rigs in areas where the drill strings are stored as a 'floor' material.

Polymat is Remotely Operated Vehicle (ROV) installable and is particularly suited to deep water applications and can be used to stabilise cables and cable bights on the seabed whilst also providing protection at cable crossing locations.

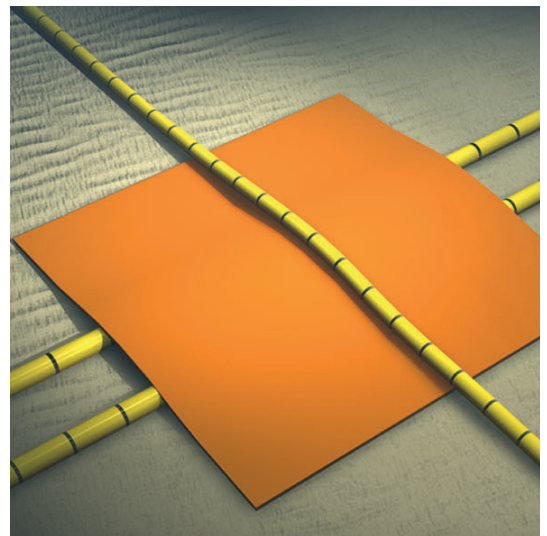


Illustration of a Polymat in position at a pipeline/cable crossing



Polymat in position over a subsea pipeline

Benefits

- Polymat can be used at any water depth
- The polyurethane material is suitable for long term subsea immersion without degradation
- It can be used in place of concrete mattresses, specifically where impact or abrasion protection is the key design function. Polymat is not brittle like concrete
- For ease of handling, holes are moulded along the edges of each Polymat to allow easy attachment of pick up ropes and installation equipment
- Polymat can incorporate a barytes infill that provides additional ballast to aid product stability on the seabed
- Polymat is moulded with grooves on one side to allow the mat to flex and closely fit the profile of the pipeline
- Resistant to repeated impacts at same locations, unlike concrete

Applications

- Cables
- Cable crossing
- Pipes
- Seabed storage



CRP Subsea delivers innovative and reliable offshore solutions that maximise business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.