AIS

Subsea

Polymat

Cable and pipeline protection on the seabed

Existing subsea cables and pipelines frequently need to be crossed by newly installed cables. Direct contact between these lines can result in impact damage, abrasion or crushing, potentially compromising the integrity of the subsea infrastructure.

Polymat provides robust impact and abrasion protection for subsea cables and pipelines, including at cable crossing locations. Used in conjunction with Uraduct®, Polymat helps protect subsea infrastructure where lines cross or come into contact.

Polymat has a proven range of applications, including covering drill cuttings on the seabed to help prevent abrasion and providing durable floor protection in areas of drilling vessels and rigs where drill strings are stored.



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Suitable for installation using a remotely operated vehicle (ROV), Polymat is particularly well suited to deepwater applications. In addition to protecting cable and pipeline crossings, it can be used to stabilise cables and cable bights on the seabed.

Polymat is designed for practical handling and deployment in subsea environments. Moulded handling holes facilitate attachment to lifting ropes and installation equipment, while the flexible, grooved profile allows the mat to conform more closely to the protected pipeline. For applications requiring additional seabed stability, Polymat can incorporate steel inserts to increase ballast.

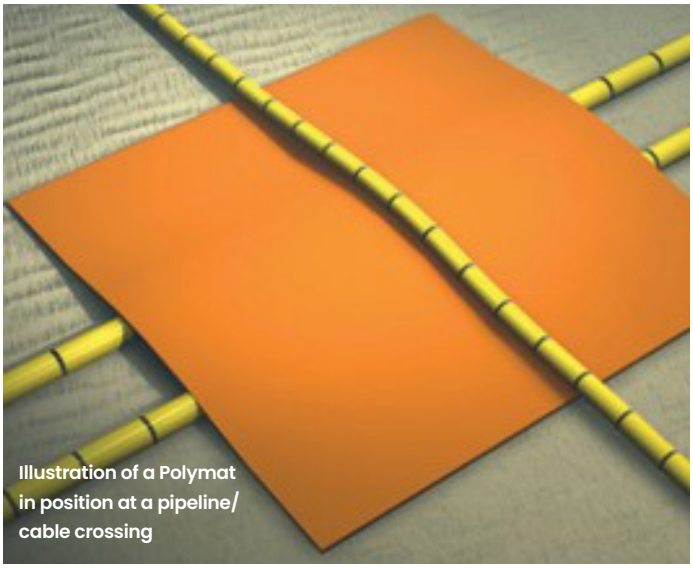


Illustration of a Polymat in position at a pipeline/ cable crossing

Benefits

- Suitable for use at any water depth
- Manufactured from marine grade polyurethane, designed for long-term subsea immersion
- An alternative to concrete mattresses where impact and abrasion protection are the primary design requirements
- Resistant to repeated impacts at the same location, unlike brittle concrete protection
- Moulded handling holes along the edges allow easy attachment of lifting ropes and installation equipment
- Optional steel inserts provide additional ballast to improve stability on the seabed
- Moulded grooves on one side allow the mat to flex and conform more closely to the pipeline profile

Applications

- Subsea cables
- Subsea cable crossings
- Pipelines
- Subsea storage



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