

SEASHIELD 70/80™ SYSTEM



A combination of two SeaShield™ systems offering multiple levels of protection for submerged and shoreline pipelines.

The SeaShield 70/80™ System combines the strengths of the SeaShield 70™ System and SeaShield 80™ System components to create an adaptable system for the effective protection of submerged and shoreline pipelines, including beach outfalls/intakes and pipeline landfall.

The combined system comes in three variations depending on the level of protection required: A, B, or C.

Denso SeaShield 70/80(A) System:

Medium duty protection suitable for permanently submerged pipelines.

A suitable level of surface preparation shall be carried out [1 & 2] before applying a layer of Denso Paste S105™ [3]. Should there be couplings or flanges on the pipeline, a thin layer of Denso Paste S105 shall be applied over their entire surface, including all fasteners. A suitable mastic, as specified by Denso, shall then be used to create a smooth profile for the subsequent layer of SeaShield™ Marine Piling Tape [4]. To complete the system a layer of Denso™ Glass Outerwrap (GOW) is applied [6] followed by a layer of Denso™ Clear Outerwrap which is removed and safely disposed of once the Denso GOW has fully cured.

Denso SeaShield 70/80(B) System:

Heavy duty protection suitable for exposed or submerged shoreline pipelines.

As above for (A) System, however an additional layer of Bitumen Outerwrap [5] is applied over the SeaShield Marine Piling Tape and Denso™ Glass Outerwrap UV (GOW UV) is used in place of the Denso GOW due to its UV resistance properties. The addition of a tough PVC-backed, polymer-modified bitumen tape provides additional mechanical protection and resistance to impact damage.

Denso SeaShield 70/80(C) System:

Extra heavy duty protection suitable for exposed or submerged shoreline pipelines in highly aggressive environments.

As above for (B) System, with Denso™ Glass Outerwrap HD UV (GOW HD UV) replacing the Denso GOW UV. The layer of Denso GOW HD UV offers exceptional mechanical and impact strength in addition to UV resistance.



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FEATURES

- System is resistant to: abrasion, impact, gouge and similar mechanical damage normally found in these environments.
- Suitable for use in high and low temperatures
- Resistant to water, acid, salts and soil organics
- Resistant to cathodic disbonding
- UV resistant
- Easy and fast to apply, no mixing and messy clean up, with minimal requirements for specialist tools
- VOC free
- Can be applied underwater or to wet surfaces

COMPONENTS

Denso SeaShield 70/80(A) System:

Denso Paste S105™

SeaShield™ Marine Piling Tape

Densyl™ Mastic, Denso Profiling Mastic™ or other mastic as specified by Denso (as required)

Denso™ Glass Outerwrap (GOW) (as required)

Denso™ Clear Outerwrap (as required)

Denso™ PVC Self-Adhesive Tape (as required)

Denso SeaShield 70/80(B) System: as per (A) with Bitumen Outerwrap (as required)

Denso™ Glass Outerwrap UV (GOW UV) (replacing GOW, as required)

Denso SeaShield 70/80(C) System: as per (A) with Bitumen Outerwrap (as required)

Denso™ Glass Outerwrap HD UV (GOW HD UV) (replacing GOW, as required)

SURFACE PREPARATION

Minimal surface preparation required.

Remove marine growth, loose rust, paint and foreign matter by hand and/or power tools.

High pressure water jetting may also be used but is not essential.



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