

SEASHIELD 70/80™ SYSTEM



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

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 or shoreline pipelines and complex marine structures, 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™ Compression Film 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.



SEASHIELD 70/80™ SYSTEM

FEATURES

- Economically protect structures in place, system can be applied underwater or to wet surfaces.
- Greatly reduce corrosion, deterioration, and erosion.
- Resistant to impact and abrasion.
- Excellent stability under UV weathering conditions.
- Accommodates piles and pipes of various shapes.
- Easy to install, no mixing, minimal wastage, with minimal requirements for specialist tools.
- Low-maintenance following repair.
- Low environmental impact.
- Suitable for use over a wide range of ambient temperatures.
- Suitable for use in the immersed, tidal and splash zones, in marine, estuarine, lentic and riverine environments.
- VOC free.

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)

Denso™ Compression Film

Denso™ PVC Self-Adhesive Tape (as required)

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

Denso™ Glass Outerwrap UV (GOW UV) (replacing GOW)

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

Denso™ Glass Outerwrap HD UV (GOW HD UV) (replacing GOW)

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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DENSO SOUTH AFRICA (PTY) LTD

TEL: +27 (0) 31 569 4319

EMAIL: info@denso.co.za

WEB: www.denso.co.za

120 Malacca Road, Red Hill

Durban North, 4051

SOUTH AFRICA



A MEMBER OF WINN & COALES INTERNATIONAL