

# 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

Denstyl™ 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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