

SEASHIELD 2020SP™

Outercover Jacket and Wall Attachment for Sheet Pile Protection

Description

A petrolatum system for protection of sheet piles, comprising of HDPE jacket with welded supporting bars. Used with SeaShield™ Primer, Denso Marine Piling Tape™, Denso Mastic™, wall attachment spines, foam blocks and 316 stainless steel fasteners for tensioning and attachment of jacket to wall attachment spine.

Uses

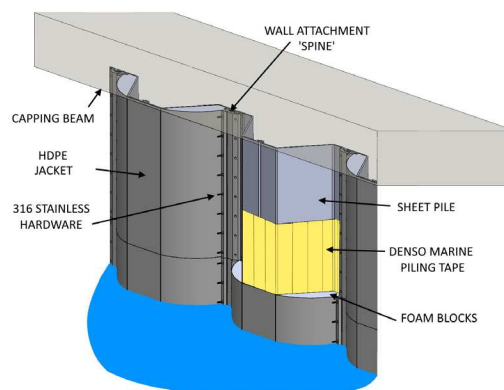
Corrosion protection on sheet pile walls in harsh, aggressive, splash and tidal zone marine environments. SeaShield 2020SP™ can be used on Z-piles, U-piles and combined walls of all sizes and types. It can accommodate and encapsulate tie rod heads and, subject to specific design, can be used on most walls with fenders, ladders, drainage outlets, cathodic protection hangers, waling beams or other features. The system is suitable for harbours, ports, channels and seawalls in marine environments.

Features

- Based on the SeaShield 2000FD™ System - proven over decades of use
- Abrasion resistant
- UV resistant
- Individually custom made to suit each sheet pile wall
- Easily removed for inspection
- Stable over a wide temperature range
- Non-hardening or cracking
- Accommodates vibration and movement of substrate
- Highly resistant to mineral acids, alkalis and salts

Application

Refer to Denso application instructions for the SeaShield 2020SP™ System. Efficiently applied with minimal surface preparation in wet or dry environments. A customised installation procedure is provided with each order.



SeaShield 2020SP™

PROPERTY SPECIFICATIONS

	VALUE
PROPERTIES - JACKET	
Material	HDPE, Black
Thickness	2.0 mm
Density	0.94 g/cm ³
Tensile Strength at Yield (ASTM D6693)	30 N/mm-width
Tensile Strength at Break (ASTM D6693)	57 N/mm-width
Puncture Resistance (ASTM D4833)	703 N
Elongation at Break (ASTM D638)	> 700%
Tear Resistance (ASTM D1004)	250 N
Carbon Black Content (ASTM D1630)	2% - 3%
Application Temperature	0°C to 35°C
Service Temperature	-30°C to 60°C
PROPERTIES - SPINE	
Material	HDPE, Black
Width	191 mm
Height	60 mm
Tensile Strength at Yield (ASTM D638)	25 MPa
Elongation at Break (ASTM D638)	700%
Tangential Modulus of Elasticity (ASTM D 790 I/B)	1200 MPa
Notched Izod Impact (ASTM D256A)	534 N
Tensile Impact Strength (ASTM D1822)	0.62 MPa
Durometer Hardness - Shore D (ASTM D2240)	68
Brittleness Temperature (ASTM D 746A)	< -75°C
Vicat Softening Point (ASTM D1525A)	126°C
Deflection Temperature Under Load (ASTM D648)	78°C
Environmental Stress Cracking Resistance - Condition A	> 600 h
Environmental Stress Cracking Resistance - Condition B	> 600 h

SIZES AVAILABLE:

Standard height: 0.57 m, 1.21 m, 1.85 m.

Each jacket includes a 50 mm lip to allow stacking in any configuration.



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