SEASHIELD 2000FD™ SYSTEM

APPLICATION METHOD FOR RAKER PILES

MARINE PILING TAPE APPLICATION

This document provides information on the installation of the SeaShield 2000FD™ System to raker piles. It does not provide information on all aspects of the installation of the system and therefore must be used in combination with the SeaShield 2000FD™ System IFU.

Raker piles meet the concrete soffit of the jetty at an angle. Should the SeaShield 2000FD System be required to cover this area the installation method shall be adjusted as follows.

Marine Piling Tape shall be wrapped around the pile where it meets the soffit twice to ensure a minimum of two layers of tape in that area. The Marine Piling Tape shall follow the elliptical shape the pile creates where it meets the soffit.

Cuts perpendicular to the soffit shall be made approximately 50% through the Marine Piling Tape approximately every 150mm (see Fig. 1). The resulting cut parts of Marine Piling Tape shall now be folded under one another to follow the angle of the pile (see Fig. 2).

Further Marine Piling Tape shall be spirally wrapped over this area to secure the cut and folded Marine Piling Tape in position (see Fig. 3). Consult the SeaShield 2000FD IFU for details on the correct spiral application of Marine Piling Tape.

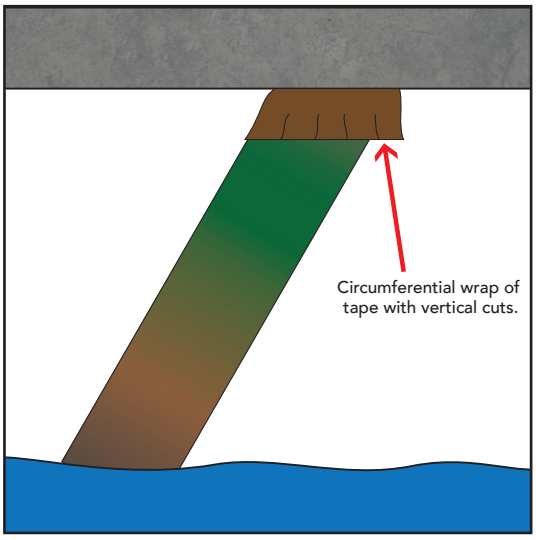

Fig. 1: Application of the Marine Piling Tape.

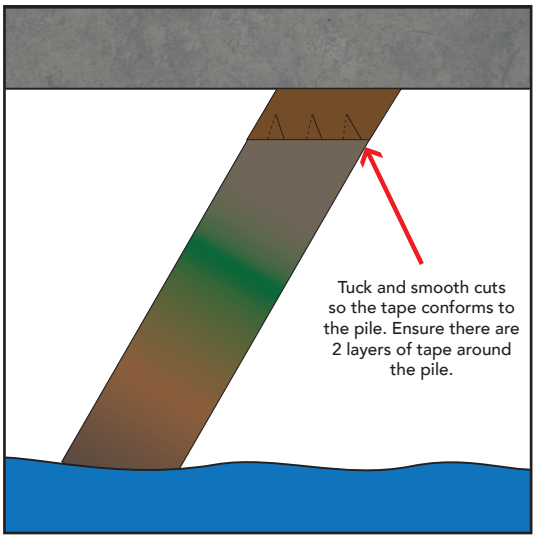

Fig. 2: Folding the cut sections of Marine Piling Tape.

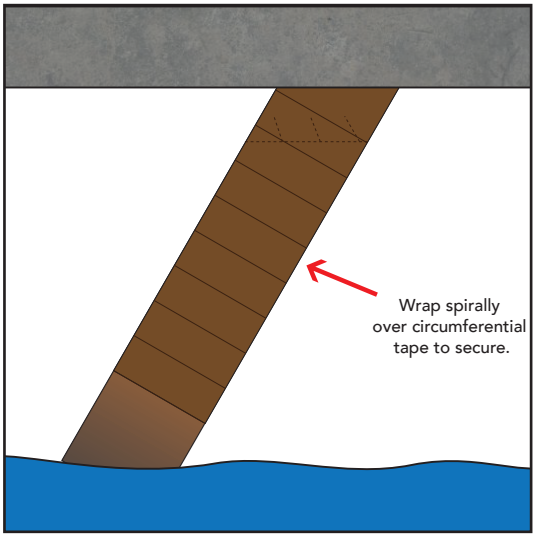

Fig. 3: Circumferential wrap of Marine Piling Tape.

SEASHIELD 2000FD™ SYSTEM

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HDPE JACKET APPLICATION

The SeaShield 2000FD Jacket must be cut so that it follows the elliptical shape the pile creates where it meets the soffit. Two methods are recommended to calculate how the SeaShield 2000FD Jacket shall be cut:

DISTANCE PIECE METHOD

The SeaShield 2000FD Jacket shall be positioned around the pile (see Fig. 4). The bolting bars shall be located on the underside of the pile.

The SeaShield 2000FD Jacket shall be pushed up against the soffit on the opposite side of the pile. A measuring tool shall be used to determine the distance between the soffit and the top of the bolting bars. At suitable intervals, this same distance shall be measured from the soffit to other points around the SeaShield 2000FD Jacket and those points shall be clearly marked.

Once all points have been marked the SeaShield 2000FD Jacket can be laid flat in a suitable location. Using a cutting tool, the marked section of SeaShield 2000FD Jacket shall be cut out and removed (see Fig. 5).

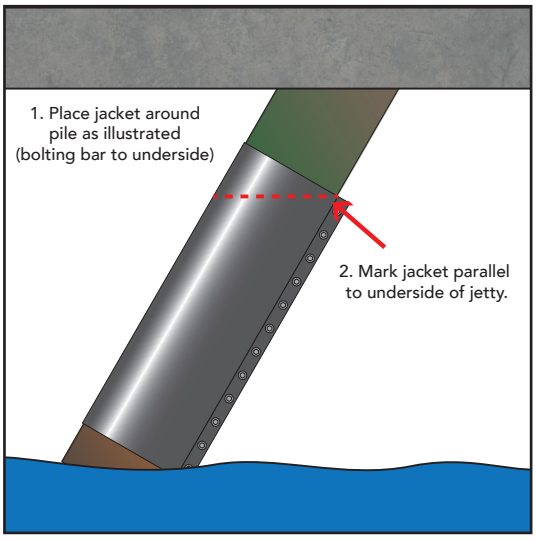

Fig. 4: How to locate and mark the HDPE Jacket for cutting.

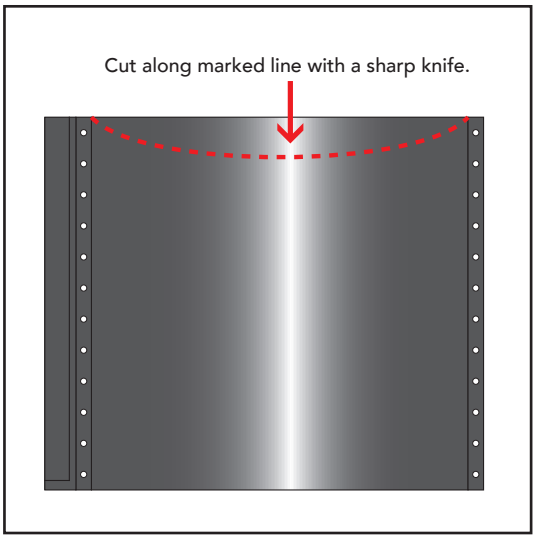

Fig. 5: Approximated curve that will require cutting.

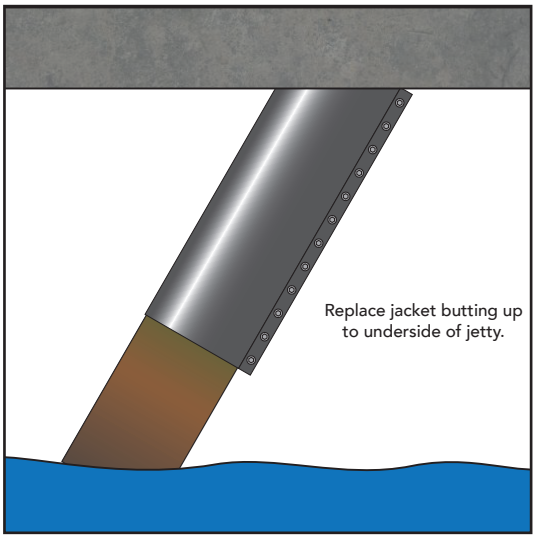

Fig. 6: The cut jacket in position on the raker pile.

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APPLICATION METHOD FOR RAKER PILES

CALCULATION METHOD

The SeaShield Raker Cut Calculator may be used to determine the section of SeaShield 2000FD Jacket that must be removed. Measurements of the pile (the pile diameter and the pile angle) shall be taken and input into the SeaShield Raker Cut Calculator (in the yellow boxes) as indicated (see Fig. 7).

The SeaShield Raker Cut Calculator shall provide a curve which must be drawn onto the SeaShield 2000FD Jacket (see Fig. 8). The lowest part of the curve shall be central between the bolting bars. Using a cutting tool, the marked section of SeaShield 2000FD Jacket shall be cut out and removed.

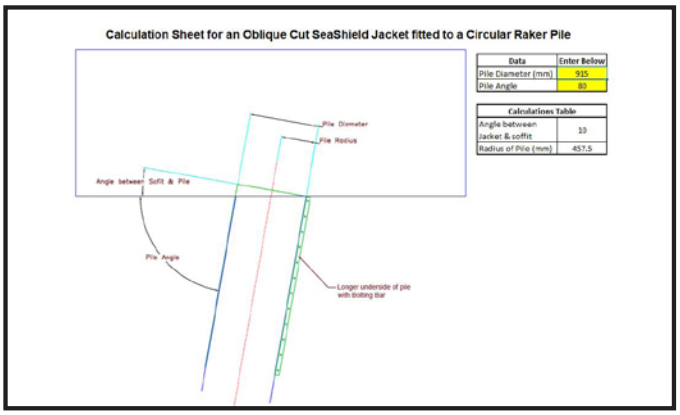

Fig. 7: SeaShield Raker Cut Calculator – Data Input Page.

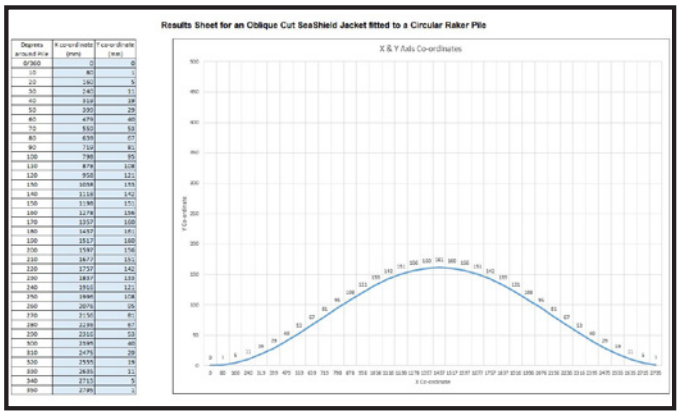

Fig. 8: SeaShield Raker Cut Calculator – Results Page.

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