



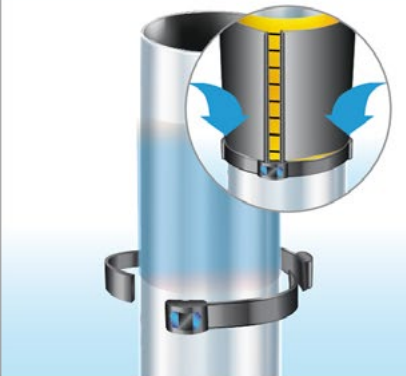
MarineProtect®-2000FD

1. Surface Preparation



- Prepare the surface carefully. Remove all rust, loose particles and loose residues of old coatings from the surface of the pile. Remove any organic substances from the surface. After cleaning the surface, proceed immediately with the coating to avoid the development of rust and organic growth. We recommend, whenever possible, to use sand or water blasting to gain best results.

2. Mechanical Support



- **Optional:** In case of coating a section of the pillar with a distance to the sea ground, a Smart® Band may be used below the first jacket as a mechanical support. Use three Smart® Band stripes and three standard Smart® Band Buckles to form a ring as indicated in the picture. Fasten the Smart® Band with the SM-FT 2000 or SM-FT 1000 mounting tool.

3. Primer Application



- Apply **MarineProtect®-Primer** on the cleaned surface by hand, roller or using a spreading tool. Make sure that the complete surface is coated with **MarineProtect®-Primer**. The consumption of **MarineProtect®-Primer** is about 350 g/m².



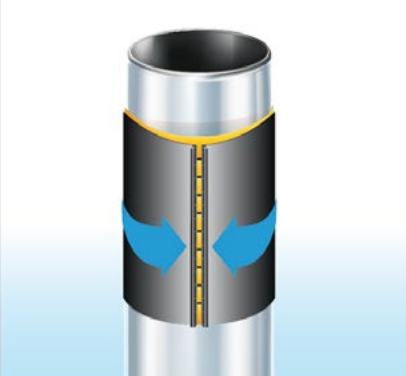
Depending on the color of the existing coating, a limited visibility of the **MarineProtect®-Primer** is possible.

4. Tape Wrapping



- Wrap **MarineProtect®-Tape** helically around the pile using a minimum overlap of 50%. The first and the last wrapping must be done twice with 100% overlap. The width of the tape depends on the diameter of the pile (see table below). For diameters of more than 300 mm it is recommended to work with two persons on opposite sides handling over the rolls. Make sure that the tape is applied without wrinkles. After wrapping **MarineProtect®-Tape**, flatten the tape by hand and press it onto the surface of the pillar. The wrapping height must be at least 1 cm higher than the upper edge of the uppermost jacket.

5. Mounting of Jacket



- For mechanical protection apply **MarineProtect®-2000FD Jacket**. If the coating area of the pile is higher than 1.9 m several jackets may be used. Start mounting the lower jacket. We recommend to install the shorter jacket first. Lay the jacket around the pile with the cut back of the screw bars in upper direction. Temporarily, the jacket can be held in position by strapping bands. The screw joints should not face the braking waves. Put the thread bars through two screw holes (upper and lower third) and tighten the nuts until the attached stainless screws (M12, length 90 mm) can be placed and tightened. Remove then the thread bar and replace it by the remaining screws.

6. Mounting of jacket



- When the **MarineProtect®-2000FD Jacket** is fastened with all screws, an additional jacket can be mounted above the first one. Position the upper jacket with a min. overlap of approx. 30 mm. The bars of both jackets can be placed right above each other. The mounting of the upper jacket is then carried out as described in point 5.

Diameter of the pile	Recommended width of MarineProtect®-Tape
< 150 mm	50 mm
150 mm to 800 mm	100 mm
> 800 mm	200 mm

Jacket width (mm)	Screws/nuts/washers per jacket
950	6 / 6 / 12
1150	7 / 7 / 14
1900	12 / 12 / 24