

# LONGWRAP®

## Marine System

### SYSTEM DESCRIPTION

A specially formulated system, developed by the LONG team giving economical corrosion protection for tubular and box pile marine piling, jetty legs, offshore riser pipes and similar marine structures. The system is designed for use in aggressive tidal splash zones and in immersed or intermittently immersed conditions. Application is simple to both new and refurbished substrates.

### SYSTEM

#### LONGWRAP MARINE PASTE

For applications above or below the water line.

#### LONGWRAP MARINE TAPE

Specially formulated Petrolatum Tape for Marine Piling applications.

#### LONGWRAP LD MASTIC

For profiling awkward shapes prior to overwrapping.

#### MAFLOWRAP 65/75

Heavy duty, self adhesive PVC-Bitumen wrapping tape.

#### LONG GRID

A tough flexible protective sheeting manufactured from HDPE in a mesh pattern for additional mechanical protection. Supplied with non-slip ties.

### SURFACE PREPARATION

Substrates should be as clean as possible. All loose matter such as old coatings, dirt or marine growth should be removed either by water blasting or wire brushing, scrapping or with chipping hammers.

### APPLICATION

#### LONGWRAP MARINE PASTE

Apply by hand, brush or roller over the entire surface to be protected. Care should be taken to ensure areas below the water line are covered.

#### LONGWRAP MARINE PETROLATUM TAPE

1. Use as wide a tape as is practical for ease and uniformity of application. Where possible the width of the tape should be the same diameter as the substrate to be protected. An overlap of 55% is recommended.

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2. Unroll the tape on to the prepared surface starting with a full circle. Progress, wrapping spirally allowing 55% overlap. Apply sufficient tension to give constant adhesion, taking care not to stretch the tape. As wrapping continues, smooth out all air pockets and press down well to ensure all overlaps are sealed. Complete wrapping with a full circle wrap.
3. Avoid joining rolls under water wherever possible. Roll ends should overlap by a minimum of 150mm.
4. Inspect after wrapping to ensure no air or water has been trapped.

### MAFLOWRAP 65/75 – Heavy Duty PVC Bitumen Tape

As soon as practical after application of the LONGWRAP MARINE TAPE overwrap with MAFLOWRAP 65/75 tape.

Start with a full circle wrap around the dry substrate, peel back approx. 150mm of the separation paper and place the tacky side of the tape on to the substrate. Remove the separation paper as work progresses. Using sufficient tension, spirally wrap down over the MARINE TAPE ensuring a 55% overlap.

Continue wrapping below water line until all MARINE TAPE has been covered. Care should be taken to avoid trapping water under the MAFLOWRAP 65/75 tape. Complete wrapping with a final full circle of MAFLOWRAP 65/75 tape to finish below the MARINE TAPE. Avoid under water roll end joins.

Apply strapping immediately, working from below waterline upwards.

### LONG GRID – Heavy Duty Mesh Sheeting

Cut into sections and apply “cigarette wrap” to piling or substrate, allow minimum 100mm overlaps. The GRID sheets should extend above and below the taped substrate and be strapped at regular intervals.

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