

- APPLICATION GUIDELINE -

Product: OT Fouling Release

Description: Fouling Release Tape
Self-fusing silicone tape coated with fouling release silicone.

Certificates: Tested according to IMO Resolution MEPC. 102 (48) and MEPC. 105 (49). Antifouling tested according to ASTM 6990-03 and ASTM 3623-78a.

Recommended use:

- Fouling protection, above and below water.

Application temperature:

From -10° to 40° C

Surface pre-treatment:

- The surface to be coated must be even and clean. The tape will not adhere to the substrate surface, nonetheless a flat surface will result in a better coating and therefore better protection.

Application:

- Remove the protective film from the tape during the application. If the protective film is not removed, self-fusing will not occur between the overlapping tape layers.
- Apply the first layer in a fully overlapping manner and check if the self-fusing properties are high enough to increase the wrapping tension. If the adhesion of the layers to each other is high enough, wrap the tape around the object with just enough tension to stretch the tape lengthwise by about 50%.
- Apply the tape with a 50% overlap so that only the black fouling release layer is visible after application.
- Apply vertical objects from the bottom up so that the edge of the overlapping layers faces down and no fouling can attach to the overlay edges.
- Apply the last layer of tape completely overlapping and reduce the coating tension in the tape until there is no more tension. Seal the last 20 cm of the overlap with OCEAN-Tape Sealer 5530. Proceed accordingly when finishing a finished tape and starting a new roll of tape.

Sealing the tape

- Each final layer of each tape (even when transitioning from one tape end to the next tape beginning) must be sealed.
- Apply the last layer of tape overlapping completely and reduce the tension until there is no more tension.
- Apply OCEAN-Tape Sealer 5530 about 20 cm (8 in.) onto the underlying layer and press the last layer of tape firmly into the sealer so that the sealer spreads and cures between these two layers.
- The sealant cross-links out through contact with water or moisture and creates a chemical bond between the layers so that delamination of the tape is not possible.
- The sealant can also be applied under water.
- Proceed accordingly when finishing a roll of tape and starting a new roll to ensure that the new roll adheres properly to the previous one.

Onshore Application:

- For onshore tape applications where there is a risk of transport damage, it is imperative that the substrate is pretreated with a coat of OCEAN-Tape 5819 Primer.
- Paint the primer onto the surface and wrap the tape onto the primer while the primer is still wet.
- The primer cross-links with the tape, adheres to most substrates and enhances the self-fusing properties between tape layers. In this way, the primer drastically reduces the risk of damage. Nevertheless, transport damages in the coating cannot be completely ruled out.