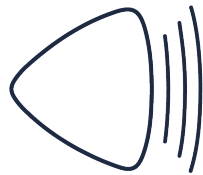




SonicShield



# SonicShield

SonicShield is a durable anti-fouling system that works on the basis of ultrasonic vibrations. It can be used in combination with anti-fouling or with a biocide-free coating system.

Every year, the laws and regulations for the authorization of biocides in anti-fouling coatings are tightened up, which greatly reduces the effectiveness.

SonicShield is ideal to use in combination with any anti-fouling so that you have much less problems with fouling growth on your hull.

If you want to protect your hull from fouling in a sustainable way, this can be done in combination with a biocide-free coating system. We offer this combination as [H2O CleanShield](#).

Please note that periodic cleaning maintenance will be required, interval depending on location and sailing profile.

## How it works

Ultrasonic anti-fouling works by means of bringing an object in vibration in the ultrasonic sound range between 20-40 kHz, this creates an inhospitable environment for especially calcium-like growth such as mussels and barnacles to settle.

The system consists of a control unit that works on 12v or 24v to which 2 transducers are connected. These are the so-called speakers that bring the sound vibration into the hull.

The system consumes very little power, each speaker consumes about as much as an LED light.

The installation is very simple and can be done by yourself or by your shipyard, the instructions can be found here: [Manual](#)

## Reference projects

### Van den Hoven Jachtbouw

“As an extra addition to our current anti-fouling system, we have additionally opted for the sustainable system SonicShield from H2O Marine. We have applied this system to two of our vessels, one of which has sailed in salt water. After about a year, we took the ships out of the water for an inspection and we are very satisfied with the result.”



### Watertaxi Rotterdam

For the 100% electric water new build taxi's, Watertaxi Rotterdam was looking for a sustainable anti-fouling solution that was compatible with aluminum. The choice was made for [H2O CleanShield](#); the combination of a biocide-free coating system in combination with SonicShield.





## Specifications

Control unit:  
LxBxH 300x190x70mm

Transducer:  
Diameter 89mm, Height 83mm, Weight 1100 Grams

Average power consumption: 13 Watts



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