



Silent running

Silent running™ is a unique water based coating that use its viscoelastic properties and special ingredients for dampen vibration reduce noise and acoustic emission. Vibration and noise is converted into low grade heat and dissipated throughout the applied surface. Its effectiveness can roughly be estimated as 10-12 dB at half the substrate thickness, some results are presented in the graphic below.

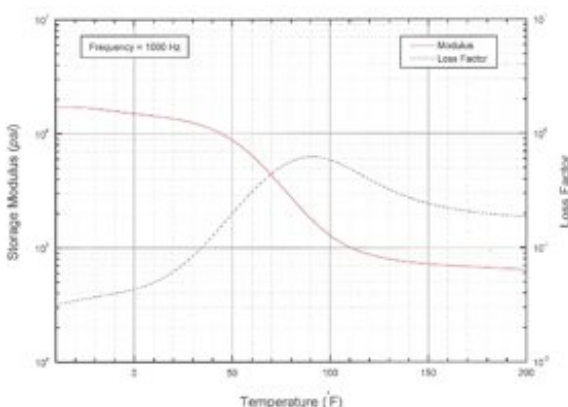
The combination of Silent Running and Tempcoat results in an ideal reduction of acoustic and heat emission based upon a thin coating system. It is environmental friendly, easy to apply and reduces space by replacing conventional insulation systems.

There are two kinds of noise

- 1st Air borne noise (druk verschillen is niet te isoleren met een coating)
- 2^e Structure borne noise (friction, o.a. water to a ship, etc)

Silentrunning can change structure borne noise to radiation / low grade heat due to its mass and viscoelastic behavior the results in damping the noise.

Silent running has a linear effect with layer thickness where $> \frac{1}{2}$ x the substrate thickness results in an average reduction of 10 – 12 db



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