

Catalina 40 Acoustical Test Results

Tested in the engine room on a Catalina 40 sailboat.

The results listed below were part of a test to determine the magnitude of noise reduction that would be achieved using Silent Running SR-1000 acoustical coating.

Tested with original foam insulation (4 layer):

At idle	Main salon	78-80 dBa
	Forward compartment	74-77 dBa
2000 RPM	Main salon	80-82 dBa
	Forward compartment	84-85 dBa

3 coats, approximately 0.030" thickness:

At idle	Main Salon	70-71 dBa
	Forward compartment	71-72 dBa
2000 RPM	Main saloon	78-79 dBa
	Forward compartment	79-80 dBa

4 coats, approximately 0.035" thickness:

At idle	Main salon	71-72 dBa
	Forward compartment	71-72 dBa
2000 RPM	Main salon	76-77 dBa
	Forward compartment	77-79 dBa

With the acoustical foam reinstalled:

At idle	Main salon	71-72 dBa
	Forward Compartment	71-72 dBa
2000 RPM	Main salon	77-78 dBa
	Forward compartment	77-79 dBa

Navigator Yachts Acoustical Test Results

We have completed our test with the SR 1000 Acoustical Paint on our 48 Classic bow thruster tunnel which is located under the Forward Stateroom Berth, and have the following results with the Bow Thruster on:

Noise level in stateroom without SR 1000 Acoustical Paint -	78 dB
Noise level in stateroom with SR 1000 Acoustical Paint -	70 dB

Wind Rose Acoustical Test Results

Tested in the lazarett on a Coronado 25 sailboat.

Engine is a 5HP, 4 cycle outboard.

Tested with throttle set at the "start" position, no RPM data available.

Uncoated:

Lazarett cover open: 85 - 85.5 dBa
Lazarett cover closed: 84 - 84.5 dBa

3 coats at 40-50 mils thickness:

Lazarett cover open: 79 - 79.5 dBa
Lazarett cover closed: 75 dBa