

New Zealand Aluminum Vessel Application

Company name: Withheld

Project: New Zealand aluminum vessel application

Coating used: Mascoat Marine-DTM and Mascoat Sound Control-dB

Reason for application: Reduce vibrational noise, condensation, and insulation

Mascoat Marine-DTM has proven to be a lightweight superior insulator perfect for marine applications. The DTM insulating coating bonds directly to a surface providing a true thermal and moisture barrier, which eliminates condensation and heat, transfer issues within marine vessels. Similarly, Mascoat Sound Control-dB is designed to provide a lightweight solution to excessive vibrational sound within sea going vessels.



In New Zealand an aluminum boat building company was seeking a solution to condensation and heat transfer issues. Another problem was that the functioning vessels motors and equipment transmitted excessive vibrational noise, which was noticeable within most areas of the vessel.



To meet the client's requirements a combined application of Mascoat Sound Control-dB and Mascoat Marine-DTM coatings were applied internally. The DTM coating acted to provide a thermal barrier to the cold waters and through its integral network of ceramic beading solving condensation issues. Unlike conventional material, moisture cannot absorb into the coating, which can increase weights within a vessel, increase fuel consumption, and promote bacteria/fungal growth. Finally with an application of Mascoat Sound Control-dB, the vessels motor noise and subsequent vibrational activity was significantly reduced resulting in a quieter more comfortable vessel.