

Mascoat Marine-DTM and Sound Control-dB Used on Vessel Exhaust Stack, Sidewall and Other Areas in a Workboat Environment

Since 1998, Mascoat Marine-DTM and Mascoat Sound Control-dB have been used successfully on workboat fleets operating from Antarctic to Alaskan waters. The vessels' owner brought Mascoat the task of reducing condensation and addressing noise issues coming from the trunk stack areas in their work vessels.



Upon examination of one of the vessels, Mascoat determined that the noise issues were coming from exhaust fans mounted within the exhaust stack (trunk) area. These fans moved the exhaust out of the engine room as well as another set of fans that pushed air into the engine room. The high volume fans created structural vibration, which then transferred into the vessels' structure. The main area of concern was the bridge deck level that ran on both sides of the workboat. Mascoat's solution was application of its Sound Control-dB sound damping coating. The product was spray applied to the smooth side of the substrate (as it was internally stiffened) to a thickness of 1.0-2.0 mm. Comparative vessels showed an 8-10 dB reduction after testing.



The vessel owner also was looking for added thermal protection in other areas of the vessel. The product suggested was Mascoat Marine- DTM. The product was applied via spray method to a total dry-film thickness of 1.0-2.0 mm in areas around the vessel shell, stiffeners, frame supports, raise exhaust areas, and areas exposed to weather. The addition of this coating gave the vessels crew a much more comfortable living environment.

To date the vessels' owner has used Mascoat coatings on over 100 vessels and continues to specify the coatings based on the above solutions. Photos courtesy of ECO.