

Helicopter Wet Decks

When an aircraft is engaged in over-water winching/hoisting or water retrieval activities, ingress of saltwater is a certain occurrence when persons or equipment are retrieve into the aircraft cabin. In tests, it has been shown that with each cycle/retrieval approximately two litres of water is brought into the cabin.

The damage caused from salt water contamination can be extensive and costly; plus additional down time during major servicing. The wet decks manufactured by RHO Aviation can reduce water ingress by approx 75%.

Airframe corrosion is a significant risk to the safety of the aircraft and the crew. In a safety perspective, a wet deck can mitigate the risk to flight safety and airframe corrosion. Risk mitigation of such an item of role equipment such as a wet deck is a clear reduction in the Risk Analysis Matrix from a likelihood of high probability to medium/low.

Please see the photographs in the enclosure that show an example of the wet decks that RHO Aviation can supply. The wet decks are custom made to the client's requirement; such as, full or half cabin floor decks.

They are manufactured with the following:

- Heavy duty/hard wearing Herculite type material - PVC
- Hi-density foam inserts for side-walls and floor
- PVC risers for seat legs
- Droppable side-wall at cabin door opening to allow ease of access in/out of the cabin.



For enquiries or quotes, please contact the team at RHO Aviation on M: +61 4 58 746 287 or email us at info@rhoaviation.com.au.



Figure 1.



Figure 2.



Figure 3.



Figure 4.



Figure 5.



Figure 6.