FIBERGLASS (FRP)
MOISTURE DETECTION

ANDAMAN MARINE SURVEYORS



High moisture readings could be your first indication of problems with the fiberglass (FRP) laminate or internal core material of a vessel leading to expensive & time consuming repairs.

The aim of taking moisture readings is to ascertain whether moisture is or has been absorbed and retained in the FRP laminate or core of a vessel.

Persistently high moisture readings after the hull has had adequate time to dry may indicate the presence of "free" hygroscopic solutes within the laminate and accordingly may indicate a possible "Osmotic" condition before it becomes visible as blisters.

In a cored structure it could also indicate water trapped in the core between the laminates which can lead to core rot, degradation, delamination and the physical failure of the structure.



AMS testing of FRP surfaces with "Tramex Skipper 5" moisture meter provides a quick, accurate and non-destructive method of establishing moisture retention in a FRP vessel's hull, deck & superstructure.

ADVANTAGES;

- Non-destructive testing technique (NDT).
- Early detection of problems with the laminate or core material leading to expensive, time consuming repairs.
- Monitor moisture levels to establish when repairs, re-lamination and application of coatings can be applied.
- Identify and track leaks within a cored hull, deck or superstructure.
- Monitor moisture levels over time on a quantitative scale.
- Only requires access to one side of the test material.
- Simple and accurate testing in the field with immediate results.

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