

# Technical Service Data Sheet

## Premium Coating Advisory - Marine



### Description

Hempel's Coating Advisory - Premium (Marine) is designed for customers that want support with coating processes. This service mitigates risks and deviations, which helps reduce repair costs, increase efficiency and help improve long-term performance of the coating system. This service is a combination of project support and detailed inspection documentation. Services included in the Premium service package are described below.



### Coating advisor

The coating advisor will support, inspect, advise and report on the project phases as described below to maintain quality of the coating processes. Progress reports will be issued daily to be able to track the progress of the project. A final report will also be distributed at the end of the project.

## Step 1 - Pre-project inspection

Pre-project briefing to explain the paint specification

Visual inspection prior to the start of any work on the actual condition of existing coating system, broken down per main area, in percentage and type of break down

Verification of suitability of the specification based on the inspection of the actual condition of the existing coating system. Advice on recommended adjustments to the specification, if necessary

Verification of the paint order, thinners, cleaning agents etc, including recommended adjustments, that have been approved by the customer

Distribution of specification, relevant PDS and R&D Guidelines to stakeholders in charge of the projects, including verbal and/or written explanation on key specification notes and product requirements

## Step 2 - Surface preparation inspection

The coating advisor inspects before start of surface preparation process to advise on surface preparation method, and upon completion to approve it. The areas where coating advisor's presence is needed should be provided in advance. If additional areas are agreed on site, such will be noted in the progress reports.

Prior to surface preparation coating advisor advises on the below

- Low/high pressure fresh water cleaning and degreasing
- High pressure water jetting/Ultra high pressure water jetting
- Mechanical surface preparation
- Abrasive sweeping/blasting

Upon completion the coating advisor comes to approve the final result and perform conductivity measurements

Document the final results. In case of any deviation found, the recommended corrective actions, consequences and follow-up on implementation and final result will be reported

Photo documentation

### Step 3 - Application inspection

The coating advisor sporadically inspects and checks throughout the application of each coat. The areas where coating advisor's presence is needed should be provided in advance. If additional areas are agreed on site, such will be noted in the progress reports.

Paint consumption monitored and reported when on site

Microclimate checks and reporting. If found to be out of acceptable range, advise of corrective actions

Application – as achieving the specified WFT/DFT is the applicator's responsibility, coating advisor supports on the following

- Check and advise on proper mixing and film formation
- Wet film thickness (WFT) – As taking WFT measurement is dependent on access and time it is important that the applicator is controlling this regularly, however the coating advisor will be taking random WFT measurements
- Dry film thickness (DFT) – to be measured randomly per coat and reported

Overcoating intervals to be monitored and reported per coat

Document the final results. In case of any deviation found, the recommended corrective actions, consequences, follow-up on implementation and final result to be reported

Photo documentation

### Step 4 - Final inspection

Check and report the overall final appearance of the coating work

DFT check and advise on corrective action if not according to specification

Advise on time before undocking

### Step 5 - Reporting

Progress reports will be written and distributed daily by email

A final report including the progress reports will be distributed by email when the coating advisor's inspections are completed

\*While we strive to support the coating process and advise applicators to meet specification, we cannot ensure full observation and monitoring of every square meter due to limitation in access, timing and safety constraints.

## Conditions

Hempel's Technical Service is provided subject to this Technical Service Data sheet and the current version of Hempel's General Conditions of Sale, Delivery and Service.

Technical Service consists of surveying on site, advising, and reporting to the customer, as described in this Technical Service Data sheet, on the project progress and the conformity of the application of Hempel products with the product documentation consisting of project specification (where applicable), Product Specification, Product Data Sheets, Material Safety Data Sheets and any other product information provided by Hempel in writing, to aid the customer's acceptance of work. Any additions or changes to the scope of services defined herein shall be agreed upon in writing, by all parties involved, before the start of a project.

Hempel's Technical Service is provided by Hempel's coating advisors. Hempel's coating advisor will be ensured by the customer:

- Appropriate access to the work site according to local HSE regulation(s) and project schedule
- Safe working environment and site-specific safety training
- The use of access equipment, inside the coating advisor's competences
- Access to an approved customer representative for site decisions and corrective actions

If the customer fails to ensure the above access, security and health conditions to the satisfaction of the coating advisor, the coating advisor is entitled to suspend performance of its services with immediate effect until the conditions have been met, following a written notice hereof to the customer, without being in breach or otherwise liable for any failure or delay in the performance of its services obligations.

## Limitation of liability

Hempel's liability for the provision of Technical Services shall at any time be limited to the value of the Technical Services provided by Hempel for which the customer has paid.

### **Hempel A/S**

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