

Coating Management Service

Protective



Description

Hempel's Coating Management Service is designed for customers that want complete coating application management during a project – be it a turnaround or newbuild. Benefits include an optimised application process, reduction of future maintenance costs and asset downtime. The service offers to asset owners and applicators a reliable project partner that can plan coating tasks, oversee coating application and support future maintenance of coating systems.

The service provides with:

- ✔ Holistic coating application management services by offering several service elements under one package, including project planning, application project scope check and approval, guidance on all relevant application specifications, development of a thorough maintenance plan and maintenance procedures.
- ✔ A dedicated Hempel project manager to help with all the aspects of the coating project and oversee coating application.

The service is a combination of full-time project management - with authority to intervene in case of non-conformity to specification - expert coating advisors, and several additional service elements to ensure coating performance during the asset lifecycle.



Coating advisors and project manager

A dedicated Hempel Project Manager (PM) will be assigned for the whole project duration. The PM has professional project management qualifications and is certified according to international coatings standards. Depending on project size and complexity, additional Coating Advisors (CA) will be assigned to support the project manager. All CAs are certified experts according to international standards. Like the PM, CAs will be available full time for the entire duration of the project, from start to finish.

The PM will work closely with the maintenance manager or other responsible individuals operating on behalf of the asset owner/contractor/applicator. In the process, the PM will plan all coating relevant work and inspections. As part of this service, PMs can, after confirming with the customer, assume authority to intervene in the coating application process in cases where they detect imminent risks to the project.



Reporting

Progress reports will be issued periodically via e-mail. Reporting intervals must be agreed prior to project start and will depend on the overall project scope and duration. A final report including the progress reports is issued following the completion of all inspections.

Step 1 – Pre-project inspection and planning

Activities prior to project start		
1.1	Paint consumption control	A scope check to evaluate the project plan for this specific project and how coating related tasks will be integrated
1.2	Microclimate	Organization and planning of the entire project related to coatings
1.3	Application	Visual inspection and evaluation of existing coating system to verify the extent that the new coating specification is suitable. Surface areas with high risk for failures and breakdowns must be considered. If necessary provide recommendations for adjustments to the specification.
1.4	Overcoating intervals	Verification of paint order, thinners, cleaning agents etc., including recommended adjustments approved by the customer.
1.5	Dry film thickness (DFT)	A pre-project meeting focusing on the following:

Step 2 – Surface preparation inspection

The Hempel PM and any CAs are present full time throughout the surface preparation process. The areas where their presence is needed should be noted in advance. If additional areas are agreed on site, these must be mentioned in the progress reports.		
2.1	Equipment inspection	Check the quality, quantity, capacity and condition of all blasting and application equipment. If found to be out of acceptable range, advise on corrective action. Document in progress/ final report the results, the recommended corrective actions, and whether these were implemented.
	Diagnosis and recommendation based on actual condition	Document in progress/ final report the results, the recommended corrective actions, and whether these were implemented.
2.2	Low/ high pressure freshwater cleaning and degreasing	Create photo documentation of agreed surface preparation grade in progress/ final report for each surface preparation method.
2.3	Surface preparation – one of the following:	For each surface preparation method, check the result of surface preparation against agreed preparation grade. If necessary, recommend corrective action. Document the results, the recommended corrective actions and whether these were implemented in the progress/final report.
	High pressure water jetting/ Ultra high-pressure water jetting	Photo documentation of agreed surface preparation grade in progress/ final report.
	Mechanical surface preparation	Check the result of surface preparation against agreed preparation grade and if necessary, recommend corrective action.
	Abrasive sweeping/ blasting	Check the achieved surface profile/ roughness, if specified, and if necessary, recommend corrective action.
		Document the results, the recommended corrective actions, and whether these were implemented in the progress/final report.

Step 3 – Application inspection

The Hempel PM and any CAs are present full time throughout the surface application process. The areas where their presence is needed should be noted in advance. If additional areas are agreed on site, these must be mentioned in the progress reports.

3.1	Managing paint stock	Check storage condition and shelf life Rotate paint stock if necessary
3.2	Microclimate	Check and report microclimate. If found to be out of acceptable range, advise on corrective action. Document the results, the recommended corrective actions and whether these were implemented in the progress/final report.
3.3	Coating application	Check and report correct mixing ratio, induction time and stirring. If necessary, advise on corrective action. Check film formation. If necessary, advise on corrective action. Check batch numbers. If necessary, advise on corrective action. Check application equipment and technique i.e. airless, brush, roller, nozzle orifice, etc. Advise as needed. Document the results, the recommended corrective actions and whether these were implemented in the progress/final report.
3.4	Dry film thickness (DFT)	Check and report DFT periodically or according specification. If found to be out of acceptable range, advise on corrective action. Document the results, the recommended corrective actions and whether these were implemented in the progress/final report.
3.5	Paint consumption control	Report total consumption in final report.
3.6	Overcoating intervals	Check and report that overcoating intervals are kept within specification. Advise on corrective action if necessary. Document the results, the recommended corrective actions and whether or not they were implemented in the progress/final report.

Step 4 – Final inspection and reporting

When the project is complete the final report is issued

4.1	Final visual inspection	Check and report the overall final appearance of coating work.
4.2	Final tests	Conduct and report all relevant tests according to specification and relevant ISO standards.
4.3	Final report	Send in final report making sure to attach all other reports including final conclusions.

Step 5 – Closing meeting and value-added services

When the project is complete the final report is issued

5.1	Development of a maintenance plan	Preparation of a coatings maintenance plan for all relevant assets.
5.2	Development of a maintenance procedure	Design a maintenance procedure framework and explain it to the customer
5.3	Inventory optimization	Check and organize paint inventory, optimise maintenance assortment, and validate paint qualities available Check application equipment and provide maintenance guidelines

Conditions

Hempel's Technical Service is provided subject to this Technical Service Datasheet 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 Datasheet, 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.