

Aqua€C™

Ecoat Service Package





At Axalta Industrial Coatings, we view ourselves as a global supplier of coatings solutions for a range of substrates, based on decades of experience in various industrial painting productions.

We focus on our customers to establish a long-term partnership so that we together can develop tailor-made solutions with a focus on the latest technologies, ecology and productivity.

We have solutions and expertise that will benefit our customer grow their market position.

This service package demonstrates our commitment to building partnerships with our customers and helping them to succeed today and be prepared for the challenges of tomorrow.

DISCLAIMER:

The information provided herein corresponds with our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions, Axalta makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

The Axalta Coating Systems Service Package represents an optimised use of the products in the production processes.

01

Securing a high level of quality for production output

02

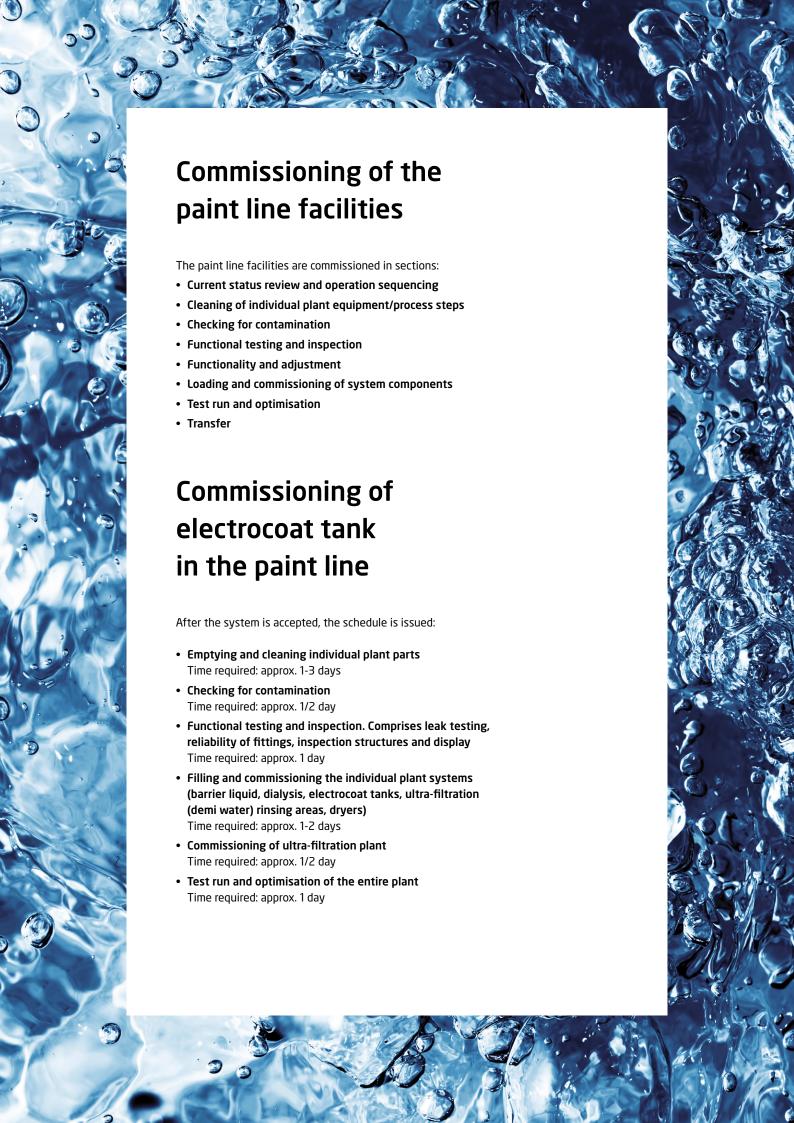
Continual monitoring of the plant, control and system documentation

03

Optimised ecologically and economically in a product - plant interface

04

Continuous dialogue/communication with plant operators to provide a continuous level of quality



Electro-deposition training



The operating staff has a crucial part to play in the quality of the painted products, in the economically efficient working method of the paint system and the impact of the paint process on the environment

Training – in the form of introductory and advanced courses – focuses mainly on practice. Topic subjects include:

- · Working method for the plant process steps
- Dependence of different process steps on the paint line
- Optimising the impact on quality and efficiency
- Troubleshooting and fault rectification
- Environmental relevance and ecology



Production start-up

Every part of the paint line must be functional in order to guarantee the economy and quality of the production. Before the system starts up, the following checks must be done:

- · Optical inspection of pre-treated parts
- · Adjustment of the following points:
 - Electrocoat bath current (bottom current, surface current)
 - Electrocoat bath volume adjustment (minimum, maximum)
 - Refill dosage
 - Rinsing areas (spray pattern, spray nozzles, operating pressure, tank recirculation, cascade control)
 - Dialysis cycle (current, conductance control)
 - Ultra-filtration cycle (pressures, sprayer output)
- · Optimising layer thickness
 - Adjusting the temperature
 - · Specifying adjustment of the rectifier
 - Specifying adjustment of the current density control
- Adjusting the dryer

This all will be done in close cooperation with the E-Coat system builder.

Process optimisation study

The first step in this study involves collecting data about the paint line. These data already exist in most cases because they were recorded during the commissioning process.

During a line audit, the actual status of various aspects of the system will be recorded. It includes plant functions such as pre-treatment, ED process, drying, ancillary equipment, logistics and capacity.

This is followed by a weak point analysis.

The next step is to compare the actual state of the system with:

- the state of the art in terms of process flow, consumption of energy, water, chemicals and logistics
- · the procedural requirements of the paint system
- the environmental requirements

The study examines as a minimum some ways to eliminate the vulnerabilities:

- · Plant optimisation
- Refitting
- · Retooling of plant components (list of priorities)





Optimisation of overall costs for painting

Maintenance

The objective of the process optimisation study is to detect weak points and to determine the potential savings in the total coating costs of the paint line.

The basis of the study is the actual system of the paint line and its ancillary equipment and auxiliary equipment, in particular the costs of:

- · Energy (electricity, heating) operating
- Materials used (chemicals for Ecoat process)
- · Waste disposal, cleaning costs
- Maintenance costs
- · Staffing costs
- Logistics costs (hanger assembly, infeed and discharge, delivery system, interfaces, line functions, capacity)

Maintenance and servicing are crucial for the smooth and economical operation of the paint line. We take care of:

- · Rinsing and passivation of the dialysis cycle
- · Functional testing and adjustment of flow conditions
 - Electro-deposition paint tanks
 - Heat exchanger circulation loop
 - Ultra-filtration rinsing areas
 - · Filter system
- · Functional testing of the dryer system
 - Testing the temperature distribution on the coating product





WWW.AXALTA.COM

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided should not be used to expensive so in election and in the data provided should not be used to explessly indicated otherwises. The data provided should not be used to explessly indicated otherwise. The data provided should not be used to explessly indicated otherwise. The data cannot anticipate establish specification limits or used alones are basis of design; they are not intended to substitute for any useful to conduct to determine for yourself the suitability in specific material sor designs; they are not intended to substitute for any useful to conduct to determine for yourself the suitability of a specific material sor designs; they are not intended to substitute for any useful to determine for yourself the suitability and supports.

www.axalta.com/ecoat-emea



Adobe Stock: Juri, Photocreo Bednarek / Shutterstock: Alexey_Ulyanov, VERSUSstudio, SimoneN