

# DESIGN ENGINEERING SERVICES

OUR COATINGS IMPROVE YOUR  
PRODUCTS. OUR PEOPLE HELP  
IMPROVE YOUR PROCESS.



**SHERWIN-WILLIAMS®**



[industrial.sherwin.eu](http://industrial.sherwin.eu)

# WE PROVIDE SOLUTIONS THAT:

**OPTIMIZE MATERIAL, LABOR AND ENERGY USAGE, ENHANCE SAFETY AND PRODUCTIVITY, MAXIMIZE EFFICIENCY AND MINIMIZE OVERALL COSTS.**

Whether you need to streamline, upgrade or design a new turn-key solution, the Sherwin-Williams Design Engineering Group can help create a customized finishing system solution.



## WE OFFER A FULL LINE OF FINISHING SYSTEM SOLUTIONS.

We do more than supply materials and consultations. We objectively assess the technical aspects of your finishing line as well as the human factors that influence your process and business objectives.

- Complete finishing line audits to identify efficiency and sustainability opportunities
- Analyze process to evaluate alternative coatings and application methods
- Provide recommendations to improve overall system performance
- Design to meet safety regulations

## WE CAN HELP YOU ACHIEVE YOUR NEW SYSTEM GOALS.

Using your goals as our guide, we will create a customized and comprehensive finishing system that combines the optimum technology with a focus on safety, productivity and sustainability.

- Assist in overall system design and engineering
- Determine requirements for coating technology conversion
- Specify parameters for liquid and powder delivery systems
- Define paint kitchen requirements
- Design bulk storage, dip and electrodeposition tanks

## OUR INNOVATIVE SERVICES DELIVER MAXIMUM EFFICIENCY.

The Sherwin-Williams Design Engineering Group will work with you to bring innovative thinking and the latest technology to your product's finish.

- Analyze coating application transfer efficiency for improvement opportunities
- Define process parameters, including:
  - Conveyor systems, hangers and paint fixtures
  - Line density optimization
  - Spray booth airflow
  - Application methods and controls
- Provide information on environmental and safety regulations
- Identify automation opportunities
- Design experiments for any coating application

# WE OFFER COMPLETE SOLUTIONS OR IMPROVEMENTS TO THE FINISHING PROCESS.

Our Value-Added Services Can Make Your Line Operate More Smoothly and Efficiently.

## APPLICATION METHOD

We analyze your production needs to determine the most efficient application method for your product using liquid or powder coatings. We define process parameters and test them in our application lab to ensure they will work on your line.

## SURFACE PREPARATION

We recommend cleaning methods, as well as which conversion coatings and equipment are needed to improve adhesion and coating performance.

## PRODUCTION ANALYSIS

We define the process to meet your requirements based on your production goals for a product. We also audit your existing line to identify bottlenecks and determine methods for increasing production with equipment or process changes.

## EQUIPMENT SELECTION

We recommend required finishing equipment once a coating is selected. We provide system designs customized to your production needs using CAD systems.

## MATERIAL HANDLING

We define the most efficient method for transporting products from unfinished to finished. We also define optimal storage conditions for your coatings, ensuring maximum usability and shelf life.

## TROUBLESHOOTING

We identify problems and recommend equipment, coating and process solutions.

## ECONOMIC ANALYSIS

We conduct economic evaluations to determine finishing costs and to help develop ROI justification for process and equipment changes.

# SHERWIN-WILLIAMS HAS FULL-SERVICE APPLICATION LABS TO MAKE YOUR OPERATION RUN BETTER.

The Design Engineering Group uses multiple internal and supplier application labs, equipped with a full range of manual and automatic equipment.

Application equipment can include manual and automatic components such as guns, bells and disks, plural component equipment, flat lines, e-coat lines and robotic spray equipment.

The Sherwin-Williams Design Engineering Group continually evaluates new application methods for production feasibility. The Design Engineering Group can assist you in meeting sustainability initiatives.



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IMPROVE YOUR PROCESS.

Your finish is our forte. Whether you need to streamline, upgrade or build your finishing operation, we can create custom solutions tailored to your business.

**SHERWIN-WILLIAMS®**

At Sherwin-Williams, we think about industrial finishing differently, continuously seeking the perfect solution to help your products win over your customers. Whether you need the most rugged and protective coating, a technical expert to provide answers and hands-on support, consistently perfect colour in just the right gloss, or a custom solution created just for you — we are here to help. We are Sherwin-Williams General Industrial Coatings, and we are obsessed with giving you the competitive edge.

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