

Formulation Development & Optimization

Service	ISO-Norm
Custom Paint Formulation (Tailored for specific applications)	—
Water-Based vs. Solvent-Based Formulation Development	ISO 118990-1 ISO 118990-2
Low-VOC & Eco-Friendly Paint Development	
High-Performance Coatings Formulation	—

Pigment & Colorant Studies

Service	ISO-Norm
Pigment Selection & Optimization	ISO 1524 (Grind Gauge)
Pigment Dispersion & Stability Testing	ISO 7724, ISO 11664 (Color Measurement)
Comparison of Organic vs. Inorganic Pigments	— ISO 11341, ISO 16474-2



CoatEdge Dynamics

Resin & Binder Evaluations

Service	ISO-Norm
Resin Selection & Performance Comparison	—
Polyurethane, Epoxy, Acrylic Alkyd & Hybrid System Studies	—
Impact Resin Composition on Durability & Adhesion	ISO 2409 ISO 4624
Crosslinking & Curing Behavior Analysis	ISO 9117-3 (Drying Time)

Additives & Special Agents Research

Service	ISO Standard
Rheology Modifiers & Flow Agents Optimization	ISO 2884 (Viscosity)
Surfactants & Dispersing Agent Studies	—
Anti-Settling & Anti-Skinning Agent Evaluations	ISO 9227 (Salt Spray for Corrosion)
Anti-Corrosion, Anti-Fouling, & Anti-Microbial Additives Testing	
Matting Agents & Gloss Control Additives Research	ISO 2813 (Gloss Measuremen)



CoatEdge Dynamics

Coating Performance Testing & Benchmarking

Service	ISO Standard (if applicable)
Adhesion & Mechanical Property Testing	ISO 2409 (Adhesion)
Chemical & Environmental Resistance Testing	ISO 2812-1 to ISO 2812-5
Abrasion & Impact Resistance Evaluation	ISO 6272-1 ISO 6272-2
Salt Spray & Corrosion Protection Studies	ISO 9227
UV & Weathering Durability Testing	ISO 11341, ISO 16474-2

Advanced & Specialty Coatings Development

Service	ISO Standard (if applicable)
Self-Cleaning & Hydrophobic Coatings	—
Conductive & ESD (Electrostatic Dissipative) Coatings	ISO 16750-3
Thermochromic & Photochromic Coatings	—
Fluoropolymer & High-Temperature Coatings	—

Regulatory & Compliance Testing

Service	ISO Standard (if applicable)
VOC & HAPs Analysis for Regulatory Compliance	ISO 11890-1, ISO 11890-2
REACH, RoHS, and Other Environmental Certifications	–
Fire Retardancy & Safety Standard Testing	ISO 11925-2, ISO 5660

Process & Application Studies

Service	ISO Standard (if applicable)
Sprayability, Brushing & Rolling Optimization	
Film Thickness & Leveling Performance	ISO 2808 (Film Thickness)
Curing & Drying Time Studies	ISO 9117-3
Shelf Life & Stability Testing	ISO 1513

Failure Analysis & Troubleshooting

Service	ISO Standard (if applicable)
Root Cause Analysis of Coating Defects	—
Compatibility & Interlayer Adhesion Issues	—
Blistering, Peeling, & Cracking Analysis	—
Microstructural & Surface Morphology Investigations	—