

Paints and Coatings Consultancy

Environmental Scientifics Group's Laboratories and Analytical Services Division has extensive expertise in the testing and evaluation of paint and coatings systems. With many years experience and a UKAS accredited testing facility, ESG's Paint and Coatings Consultancy will ensure you have the information you need, when you need it.

The Paints and Coatings team combines its experiences with fact and utilises the testing of decorative/protective coating systems together with a detailed understanding of corrosion and its prevention in order to prescribe the best approach for either maintenance or re-painting of a structure.

Experience is based on research and development, laboratory testing of materials, quality assurance and on-site practical work. Testing is carried out to BS, ISO and ASTM standards by ICORR Qualified Paint Inspectors from our UKAS accredited laboratory.

Services include:

-  Inspection and testing of metal structures
-  Highways Agency Approved
-  Network Rail Approved
-  Link-up Approved
-  Expert advice and consultancy
-  UKAS Accredited test facility
-  Buildings, bridges and structures
-  Accelerated weathering, durability and environmental testing
-  Chemical analysis



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ESG are experts in Paints and Coatings Consultancy and Analysis. Operating from a UKAS accredited laboratory, ESG use modern accelerated weathering equipment and perform natural weathering site trials across the UK, as well as testing and analysis.

Materials Selection

Paint failures can be disastrous. We advise on the correct selection and application of coatings for:

- Metal, timber, concrete and plastics
- Buildings, bridges and structures
- Vehicles and plant
- Trackedside equipment and gantries

Consultancy

Our consultants are available to suit customers' needs. Services include:

- On-site investigations
- Arbitration
- Preparation of painting specifications
- New and maintenance paint systems
- Advice
- Coating condition monitoring and surveys
- Site trials

Laboratory Testing

Our independent BSEN 17025 and UKAS certificated laboratory uses modern equipment for:

- Testing to BS, ISO and ASTM standards
- Accelerated weathering, durability and environmental testing
- Chemical analysis e.g. lead in paint
- Approval/control of colour standards
- Research and development projects
- Natural weathering testing to BS Standards

Quality Assurance

Our team includes auditors and our scope extends to:

- Performance and material specifications
- Design scrutiny
- Audits of suppliers/contractors
- On-site inspection and monitoring by ICORR Qualified Paint Inspectors

Corrosion

Corrosion failures can be expensive in terms of downtime, renewals and safety. We provide expertise in:

- Failure investigation
- Measurement of residual metal (NDT)
- Corrosion rate measurement
- Bimetallic and graphitic corrosion
- Water treatment
- Coolant systems

Safety

Coatings can help provide a safe working environment. Guidance and assistance is available on:

- Fire resistant coatings
- Anti-slip coatings
- The Environmental Protection Act 1990
- COSHH Assessment

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