

Fire Specialist Hub: Inspection

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Building Competency in Fire Protection Coating Inspection

The Corrodere Academy Fire Specialist Hub offers specialist training courses designed to support professionals working with passive fire protection coatings and inspection.

With over 25 years of experience in coating inspection training, Corrodere Academy delivers globally recognised programmes that build knowledge, competency and confidence in fire protection inspection across multiple industries.

Our inspection training portfolio includes three courses, designed to support professionals with different levels of experience and industry focus.

Our Courses

FUNDAMENTALS IN FIREPROOFING COATING INSPECTION

An introductory course designed to provide an overview of passive fire protection coatings, fire protection principles and inspection considerations.

Ideal for professionals whose roles interact with fire protection systems, or for those looking to gain a foundation-level understanding of fireproofing coatings and inspection.

PFPNET PASSIVE FIRE PROTECTION INSPECTION – LEVEL 2

Designed for oil and gas industries, this specialist course focuses on hydrocarbon passive fire protection systems, including epoxy and cementitious coatings used in high-risk industrial environments.

THIN FILM INTUMESCENT COATING INSPECTION

Designed for the construction and building industries, this course focuses on thin film intumescent coatings used to protect structural steel in cellulosic fire environments.

BROADEN YOUR EXPERTISE

Professionals looking to expand their expertise can study both Level 2 courses, gaining a broader understanding of passive fire protection inspection across both hydrocarbon and construction fire protection systems.



Fundamentals of Fireproofing Coating & Inspection course

Course Fee £295.00 +VAT

Study time: 16–24 hours of online study, complemented by end-of-unit assessments.

Certificate achieved: Fundamentals of Fireproofing Coating & Inspection Certificate of Completion.

Fires are a threat to human lives, safety, and the structural integrity of buildings. It is therefore essential to incorporate effective fire protection measures into architectural and structural designs.

These measures include a wide range of fire protection systems, encompassing both active and passive methods, to safeguard lives and property.

This knowledge empowers personnel to contribute to the design and engineering structures that are not only functional and aesthetically pleasing but also equipped to withstand the formidable challenge of fire. Together, we aim to enhance safety, protect lives and preserve the structural integrity of the built environment.

This course benefits individuals requiring a comprehensive introduction to the fundamentals of fireproofing application and inspection.

COURSE CONTENT

- Health & safety
- Principles of fire protection
- Characteristics of passive fire protection
- Quality assurance and quality control
- Duties of the Fireproofing Inspector
- Conditional surveys
- Product literature and training
- Dry film thickness

ENTRY CRITERIA

No entry requirements

PFPNet Passive Fire Protection Coating Inspection Level 2



Approved by:



Course Fee £650.00 +VAT

Online Exam Fee £75.00 +VAT

Study time: 24 months access to 16 hours of online study, concluding with a monitored multiple-choice final exam via Questionmark.

Certificate achieved: Certificate of Achievement accredited by PFPNet and approved by Lloyd's Register

Valid for: 5 years

COURSE CONTENT

1. Introduction to Fire Protection Systems & Classifications
2. Epoxy and Cementitious PFP
 - 2.1. Health and Safety and the PFP Inspector
 - 2.2. Pre-Job Conference
 - 2.3. Inspection and Test Plan
 - 2.4. Pre-Surface Preparation
 - 2.5. Surface Preparation & Application of Primer
3. Epoxy PFP
 - 3.1. Introduction to Epoxy – PFP
 - 3.2. Manufacturers Application Manual – Epoxy PFP
 - 3.3. Product Data Sheets – Epoxy PFP
 - 3.4. Introduction to Plural Component Equipment
4. Epoxy PFP Inspector's Duties During Application
 - 4.1. Delivery, storage, mixing and application of Epoxy PFP
 - 4.2. Testing of applied Epoxy PFP
 - 4.3. Application Defects – Epoxy PFP
5. Cementitious PFP
 - 5.1. Introduction to Cementitious PFP
 - 5.2. Manufacturers' Application Manual – Cementitious PFP
 - 5.3. Site QA & QC Procedures – Cementitious PFP
6. Inspection Equipment
7. Documentation

ACCREDITED BY:

The key objective of PFPNet is to increase knowledge, understanding & competency in all areas of passive fire protection used in the oil, gas and energy industries to improve safety.

PFPNet is a not-for-profit, subscription-funded, technical organisation, established to increase understanding and raise competency across the whole hydrocarbon passive fire protection (PFP) industry.

TRANSITION OPTIONS

Transition options from existing fireproofing inspection qualifications £450 – AMPP/SSPC/ICorr

Access to the comprehensive reading material concluded with a monitored multiple choice final exam.

ENTRY CRITERIA

Recognised Coating Inspection Certificate (e.g., ICorr, NACE, FROSIO, BGas).

Thin Film Intumescent Coating Inspection

Approved by:



Course Fee £495.00 +VAT

Online Exam Fee £75.00 +VAT

Study time: 12 months access to 8 hours of online study concluding with a monitored multiple-choice final exam via questionmark.

Certificate achieved: Certificate of Achievement. Approved By ASFP.

Valid for: 5 years

COURSE CONTENT

- 1. Introduction to Thin Film Intumescent Coatings**
Overview of coatings and legal requirements.
- 2. The need for Fire Protection (Fire Testing & Accreditation)**
Importance of fire protection and basic testing/ accreditation.
- 3. Intumescent Fire Protection Design**
Key design requirements and considerations.
- 4. Intumescent Thickness, Selection Factor and Intumescent Fire Protection Types**
How thickness is calculated and coating types overview.
- 5. Intumescent Coatings – Wet & Dry Film Thickness**
Understanding wet vs dry thickness and documentation.
- 6. Quality Control & Inspection of Intumescent Coatings**
Role and duties of an intumescent inspector.
- 7. Health and Safety – Thin Film Intumescent Coatings**
Risk assessments, COSHH, and method statements.
- 8. Inspection Equipment – Thin Film Intumescent Coatings**
Basic equipment used for coating inspection.

APPROVED BY:

The Association for Specialist Fire Protection (ASFP) is a recognised authority in passive fire protection – promoting high standards and best practice across the industry.

Corrodere Academy is an Approved Training Provider of the ASFP, delivering specialist training aligned with these industry standards.

ENTRY CRITERIA

Level 1 Coating Inspection Certificate
or
12 months industry application experience (required to attend ICorr practical workshop and assessment prior to studying).

Complete Fireproofing Inspection Package



Approved by:



Course Fee £895.00 +VAT

Online Exam Fee £120.00 +VAT

Certificate achieved: Certificate of Achievement accredited by PFPNet. Approved By ASFP and Lloyd's Register.

Valid for: 5 years

Gain a complete understanding of passive fire protection systems by combining two essential specialist courses into one comprehensive package.

Study both the PFPNet Passive Fire Protection Coating Inspection Course and the Thin Film Intumescent Coating Inspection Course, and develop the knowledge and confidence required to inspect, assess, and verify fireproofing coatings across a wide range of industries.

This combined programme provides a thorough knowledge of fireproofing inspection, covering epoxy, cementitious and thin film systems, ensuring you are equipped to meet industry standards and project requirements.



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