

# Fire Protection Coatings Inspector Training Course

More **Knowledge**  
More **Connections**  
More **Development**



## Meeting standards, exceeding expectations

Institute of Corrosion / PFPNet Fire Protection Coatings Inspector Training Programme  
(Ref: ICorr/PFPNet CITP).

### Why attend this course?

The changing market dynamics and a number of PFP failures on major new construction projects will dictate the need for a more rigorous fire protection coatings Inspector course in order to further improve competency in this safety critical area of our market.

The Institute of Corrosion and PFPNet have collaborated to develop the first detailed training programme for inspectors and technicians, written and produced by experts in this field who have extensive, practical 'real world' experience.

### The purpose of this course

To qualify inspectors of epoxy intumescent and cementitious Passive Fire Protection (PFP) coatings used to protect against hydrocarbon fires.

### The main theme of this course

Effective quality control during the whole application process plays a critical role in ensuring the fire performance and long term durability of PFP installations.



## Course content

- Role and duties of the PFP Inspector (part one)
- Introduction to PFP (what is it for)
- PFP types (introduction)
- PFP types (detailed overview)
- PFP of structures, divisions, process and storage vessels
- Classification Society type approval, other types of approval (e.g. UL)
- Qualification of PFP systems (the importance of supporting documentation)
- How PFP materials and systems are developed, tested and approved
- Epoxy PFP degradation mechanisms (pre-fire durability, survivability in a fire)
- Examples of application defects
- How fire performance can be affected by defective application
- The specification; relevance, errors or omissions, epoxy PFP manufacturer manual, epoxy PFP extent and thickness/details, Class Approvals
- Pre-job meeting, ITP, quality control at all stages of application
- The critical importance of good surface preparation
- Epoxy PFP application equipment (types and checks you can do)
- Final thickness, topcoat, role and duties of epoxy PFP inspector (part two)
- What to look out for, test equipment, reporting
- Practice test
- Safety overview
- Examination (150 multiple-choice questions)
- Peer review

## Who should attend this course?

This is a Level III course aimed at specialist inspectors and technicians who are looking to demonstrate their own distinctive competence to properly understand and inspect PFP installations in new construction or retrofit situations. The inspection of existing PFP to test for worthiness is a separate and specialist activity not considered in this course. Correct surface preparation, priming and where required top coating are very important requirements in PFP installation, therefore the candidate should have a minimum of ICorr or NACE Level 1 to demonstrate their fundamental understanding of corrosion and protective coatings.

## The collaboration

The Institute of Corrosion have for some years in running an introduction to Fire Protection for Inspectors which will be withdrawn as it no longer meets the market requirements.

It is clear from the members of PFPNet, who represent owners, engineers, contractors and other key roles, that a more detailed programme is required for Fire Protection Inspectors as their role becomes more critical in the overall application process.

PFPNet was established to increase understanding and raise competency across the whole hydrocarbon passive fire protection industry.

One goal of PFPNet is to make sure the individuals inspecting PFP applications have the knowledge and skills to provide a high level of assurance that the PFP coating will provide the specified level of PFP and be fit for the service life of the installation.

In this context the Institute of Corrosion and PFPNet have a common goal, the net result being the development of this course.

The content for the cementitious course is very similar to that for the epoxy course but with clear guidance and emphasis on cement based PFP coatings in the areas of the course specifically dealing with that material type and its individual requirements. As the early parts of the course are common to both types of PFP material it is the intent to allow an individual who has qualified on an epoxy course to take a shorter course dealing with cementitious specifics in order to be qualified as an Inspector for those materials. Similarly a candidate who qualifies on the cementitious course would only require a shorter course on epoxy to obtain qualification.





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