

1.21 Installation and Inspection of Products for Passive Fire Protection in Buildings

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| 1 | Duration | 2 days (14 hours), modular <ul style="list-style-type: none"> • 1st day the same for all products, • 2nd day specific for each product family | |
| 2 | Aim | The aim of this course is to give the basic technical knowledge of build-in fire safety measures in buildings, the legislation and basic knowledge about the products for fire protection of buildings (characteristics, classification, and documentation of conformity). | |
| 3 | Target Public | Installers of building products. The course will also be of interest to those involved in controlling the installation of building products for fire protection in buildings. | |
| 4 | Prerequisites | Technician | |
| 5 | Objectives | At the end of the course the students will: <ul style="list-style-type: none"> • Understand the basics of fire spread in buildings. • Be aware of the different types of passive fire protection measures. • Be familiar with the specific regulations and standards related to building products for fire protection of the buildings. • Be aware of the different types of building products for fire protection of the buildings (products for passive fire protection, fire safety systems and equipment) • Have a good understanding of the requirements for their application, installation and maintenance | |
| 6 | Programme | I | BASICS OF FIRE SPREAD IN BUILDINGS <ul style="list-style-type: none"> • Fire triangle • Fire time/temperature curves • Influence of building materials, venting, dimensions of the room on the spread of fire • Basics of passive and active fire protection measures |
| | | II | LEGISLATION <ul style="list-style-type: none"> • Relevant fire safety legislation for building products for fire safety in EU (CPD directive) • Relevant national legislation for the installation building products |
| | | III | FIRE PROTECTION ELEMENTS <ul style="list-style-type: none"> • Passive Fire Protection: <ul style="list-style-type: none"> • Classes of building materials • Fire rating of walls and doors • Fire rating of other building products, used for fire protection of buildings • Isolation; compartment structural protection • Technical Fire Protection, the connection of Passive and Active fire protection measures: <ul style="list-style-type: none"> • Signalization • Ventilation: Smoke and temperature control • Fire retardant painting |
| | | IV | PERIODIC INSPECTION AND MAINTENANCE <ul style="list-style-type: none"> • Legislation requirements • Technical specifications • Inspection procedures |
| | | V | INSTALLATION OF CERTAIN PRODUCTS <ul style="list-style-type: none"> • Specifics of the installation of certain building products • Details at the mounting |

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| 7 | Related CFPA-E Guidelines | |
| 8 | Examination | Written examination |
| 9 | Certificate - Diploma - Attest | Certificate |
| 10 | Countries Running the Course | <ul style="list-style-type: none"> • Italy (isfop@networkaias.it, www.isfop.it) |
| 11 | Guidance Notes | <ul style="list-style-type: none"> • Documents of the Association for Specialists Fire Protection (ASFP) |