

# IFF VP 02/ EN

## BUILDING DISORDERS



### TARGET AUDIENCE

Technician or technical expert in building maintenance.



### GOALS

Understand reactions of materials subjected to different types of attacks (mechanical and physical), and be in ability to conduct a prospective analysis based on validation of hypothesis by stages and leading to a repair proposal.



### PREREQUISITES

Control the structural work and second work lots training (IFF VP 06).



### EDUCATIONAL MODALITIES

Visit of buildings, pedagogy based on the interaction with learners examples to share experiences.



DURATION: 4,5 Days



### PROGRAM

- Remember opposable regulations
- Disorders of foundation earthworks, effect of drought
- Disorders of structures reminder of the main principles of construction, structural calculations, elastic stability and buckling, hyper droop, reinforced concrete structures and prestressed concrete, metal constructions, constructions in masonry, wood monitoring of works and examinations of problems pathology posed by the use of construction materials
- Know the disorders of floors, balconies, partitions, facades, reinforced concrete and metal frames, roofs terraces, exterior joinery (windows of the stairs, floor tiles, brickwork
- Deal with metal corrosion, know corrosive environments, recognize the manifestations of humidity
- Diagnose and prevent cracks
- Respond to degradation due to alkaline reactions

• **Level 2 assessment:** Assessment of skills acquired at the end of training ➔ **No**