

## Who should attend?

- Construction Engineers
- Maintenance Engineers
- Waterproofing and Repair Contractors
- Consultants
- Architects
- Faculty from Engg. Colleges/ Polytechnics

## Timing:

9.30 am to 5.30 pm (For all the Training Programmes)

## Location:

DFI- SPR Premises at Pidilite Industries Ltd., Andheri (E), Mumbai.

## Note:

- In all the courses, emphasis will be given on concepts and the theory will be reinforced with demonstrations of systems and products.
- The sessions will be more of interactive nature, which encourages the participants to ask questions and clarify their doubts.
- Relevant case studies will be discussed for better understanding of the topics.
- The course fee includes training fees, course material, tea, snacks & working lunch.
- Participants will have to make their own arrangements for traveling and accommodation.
- The fees should be paid at the time of Confirmation of Participation.
- In case of Cancellation, the fees will not be refundable. However, with prior notice, another delegate will be accepted as a replacement.

## Contact Details:

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# DR. FIXIT INSTITUTE

OF STRUCTURAL PROTECTION & REHABILITATION

A not-for-profit knowledge centre

## TRAINING CALENDAR 2008-09



# Dr. Fixit Institute of Structural Protection and Rehabilitation

**Dr. Fixit Institute of Structural Protection and Rehabilitation** (DFI- SPR) is a not-for-profit service organization primarily to act as a platform for "enhancing the service life of built environment through global sharing of knowledge and practices in the fields of Waterproofing, Structural Protection, Repair and Rehabilitation". The Institute is promoted by Pidilite Industries Limited, Mumbai, India and is managed and operated on a stand-alone basis.

The World, as it stands today, requires unprecedented level of infrastructure development with diverse type of construction to meet the needs of burgeoning population. The problem of aging infrastructure and the obsolete and decaying facilities call for innovative and rapid rehabilitation. Professionals in the field of construction are, therefore, faced with challenges of leading the future development in a way that protects and conserves energy and environment quality on one hand and **ensures structural renewal and durability** on the other.

**The objective of DFI- SPR is to bring up and popularize the global standards and practices of Waterproofing, Repair and Rehabilitation technologies.** As a step towards achieving this objective, the DFI- SPR has conducted several programmes all over India in the past one year **for creating awareness and skill development in the field of "Waterproofing and Repairs of Structures"**.

DFI- SPR has scheduled a list of training programmes for the year 2008- 09. These programmes have been designed for upgradation of knowledge base of practicing engineers in the field.

## Open programme calendar for 2008- 09

Sr. No.	Month	Date	Days	Topic	Investment
1	May-08	15th & 16th	2	Waterproofing & Protection of New Structures	Rs. 3000/-
2	June-08	12th & 13th	2	Repairs & Rehabilitation of concrete structures	Rs. 3000/-
3	July-08	23rd, 24th & 25th	3	Health check of Buildings and Diagnosis of Damaged structures	Rs. 4500/-
4	Aug. 08	28th & 29th	2	New Generation Admixtures for Concrete Structures	Rs. 3000/-
5	Sept. 08	24th, 25th & 26th	3	Waterproofing of Water Retaining structures	Rs. 4500/-
6	Nov. 08	20th & 21st	2	Role of Polymers in Durability of Structures	Rs. 3000/-
7	Dec. 08	18th & 19th	2	Cracks & Joints in Structures & Remedial measures	Rs. 3000/-
8	Jan. 09	21st, 22nd & 23rd	3	State of art Waterproofing of New Structures	Rs. 4500/-
9	Feb. 09	20th & 21st	2	NDT - Diagnostic solutions for Dilapidated Structures	Rs. 3000/-

### Programme: 1

#### Waterproofing and protection of New Structures

- Need for Waterproofing
- Conventional methods of waterproofing
- Modern methods, merits and demerits
- Application technology
- Maintenance

### Programme: 2

#### Repairs and Rehabilitation of Concrete Structures

- Basics of Concrete
- Concrete making
- Why concrete deteriorates
- Modern repair materials
- Application techniques

### Programme: 3

#### Health checkup of buildings and diagnosis of damaged Structures

- Need for Health check of Buildings
- Service life of structures
- Causes of deterioration of structures
- Modern tools and equipments to measure the distress
- Use of polymers for repairs

### Programme: 4

#### New Generation Admixtures for Concrete Structures

- Why admixtures
- Types of admixtures - Mineral and Chemical
- After effects
- Compatibility of admixtures
- New generation admixtures

### Programme: 5

#### Waterproofing of Water retaining structures

- Types of water retaining structures
- Need for water tightness of water retaining structures
- Methods of waterproofing w/retaining structures
- Application methodology
- Maintenance of w/retaining structures

### Programme: 6

#### Role of polymers in durability of structures

- Why Polymers, fundamentals
- History & Types of polymers
- Polymers for new construction and repairs
- Long term effects of Polymers on durability

### Programme: 7

#### Cracks and Joints in structures and remedial measures

- Phenomenon of cracking in concrete
- Need of joints in structures
- Types of cracks
- Remedial measures
- Repair materials for cracks
- Jointing materials
- Application technology

### Programme: 8

#### State of art waterproofing of New Structures

- Why structures need waterproofing
- 90%, 1% principle
- Conventional and modern types of waterproofing
- Application techniques

### Programme: 9

#### NDT Diagnostic solution for dilapidated structures

- Why do structure deteriorate
- Diagnosis of structures
- Non destructive testing methods
- Data collection with NDE
- Interpretation of data and making repair strategy