

## **CFSIC Concrete Foundation Inspection Certification Program**

### **Dates and Times**

June 11 and June 25, 2019

(These are the only dates on which the certification program will be offered in 2019.)

8:00 AM to 5:00 PM

(Lunch and refreshments will be provided.)

### **Location**

Red Lion Hotel  
100 Berlin Road  
Cromwell, CT 06416

### **Instructors:**

Kevin Miller, NRMCA Level 4  
Jose-Miguel (JM) Albaine, M.S., P.E.

### **Eligibility**

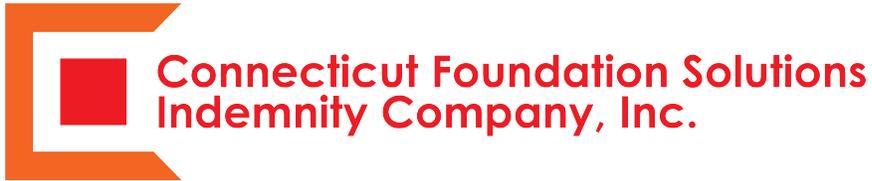
The course is open to CT-licensed home inspectors and CT-licensed professional engineers who wish to become certified by CFSIC to provide homeowners with assistance in support of the filing of potential claims with CFSIC.

CT-licensed home inspectors must hold a valid license in Connecticut in good standing, and must attest to having a minimum of three years of professional experience in providing home inspections. Professional engineers applying will have to certify that they are licensed in Connecticut.

The certification will be extended to individuals successfully completing the course work. Certifications are not transferrable to either another individual or to a company. No more than two home inspectors from the same firm will be permitted to enroll in either of the two sessions.

The sessions will be limited to 27 attendees per session on a first-come, first-served basis, with no exceptions to that number.

No more than a total of five professional engineers will be permitted to enroll in either session.



## **Cost**

There is no cost for taking the course. CFSIC has received a generous grant from the CT Association of Realtors.

## **Course Description**

The course has been developed in order to train eligible licensed professionals in distinguishing common concrete defects versus the damaging effects of pyrrhotite-laden concrete found in the foundations of homes located in certain areas of Northeastern Connecticut. This eight-hour course consists of three course sections and includes a brief period to address specific questions. A 30-question examination concludes the session as detailed below. Any attendee failing the examination will be unable to take the examination again if and until the course is offered again in the late Spring of 2020.

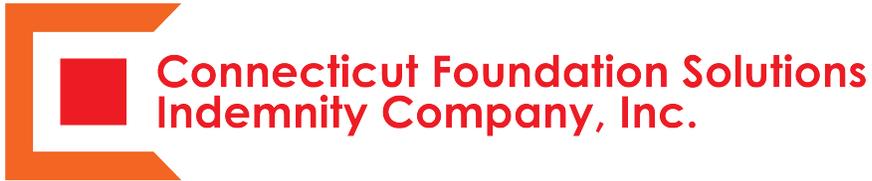
## **Goals of the Course**

The major purpose of the course is to enable CT-licensed home inspectors to be permitted to provide, as an acceptable point of evidence supporting a homeowner claim to CFSIC, a written examination report evaluating a potentially impaired foundation and assigning a CFSIC severity class code to such report. The course will address the basics of concrete technology and common concrete problems, and will provide detailed explanation of the reactions caused by pyrrhotite in concrete. Actual documented cases of damaged homes will be used. Attendees will learn how to determine and establish severity levels based on visible damage. Attendees will be provided with information quantifying the standard of practice for inspecting concrete foundations, and will be shown the different methods of replacing “crumbling foundations.”

## **Learning Outcomes**

Upon successful completion, attendees are expected to:

- Understand the basics of concrete production, strength classes, and durability issues.
- Be able to identify common concrete problems and the causes of those problems.
- Understand the physical and chemical changes associated with pyrrhotite-laden concrete.
- Recognize pyrrhotite-damaged structures versus common cracking issues.
- Learn how to evaluate early signs of expansion related to the existence pyrrhotite.
- Be certified by CFSIC in order to perform visual examinations of foundations on behalf of potential claimants to CFSIC.
- Be able to accurately and properly categorize damaged concrete following the guidelines established by CFSIC.



## **Schedule**

The course will be as follows:

- 8:00 – 8:15 Introduction to CFSIC and Business & Ethical Considerations.
- 8:15 – 10:00 Concrete Basics, Common Problems, Effects of Pyrrhotite.
- 10:00 – 10:15 Break
- 10:15 – 12:15 Inspecting the home, Site Evaluation, Potential Problems.
- 12:15 – 1:15 Lunch
- 1:15 – 3:15 Structural Issues with Foundations, Understanding Severity Classes
- 3:15 – 4:00 Open discussion, Questions and Answers
- 4:00 – 5:00 30-Question Exam (passing grade requires 22 correct answers).

## **Important Note**

The course curriculum is designed to enable CT-licensed home inspectors and CT-licensed professional engineers to be certified to perform visual foundation examinations and reports for inclusion with other supporting materials for claims made to CFSIC. It is important to note that the foundation examination reimbursement program administered by the Capitol Region Council of Governments (“CRCOG”), whereby homeowners are reimbursed for part of the expense of visual examinations conducted by CT licensed professional engineers, does not and will not apply to examinations conducted by licensed home inspectors. Therefore, it is important for home inspectors to recognize, and equally for the public to recognize, that inspections done by home inspectors will not be eligible for CRCOG reimbursement, and therefore the expense of such inspections will be borne solely by homeowners.

## **For More Information:**

- Contact JM Albaine by email at [jma724@snet.net](mailto:jma724@snet.net) or by telephone at 860-439-1111
- Contact the Superintendent of CFSIC by email at [info@crumblingfoundations.org](mailto:info@crumblingfoundations.org) or by telephone at (860) 487-0000