

INVESTIGATIVE ANALYSIS - A QUALITY ASSURANCE TOOL

SYNOPSIS

The paper deals with the author's experiences in investigative analysis of distressed structures and its adaptation to new construction as a quality assurance tool. It deals with the understanding of concrete arising out of study of old and distressed structures and the use of non-destructive techniques to estimate and qualify the quality of construction. The author also highlights the various reasons of defects that arise in residential structures and how their manifestation occurs on a time scale. The authors then, present here the adaptation of various non-destructive test methods, and their adoption to quality assurance regime. It also discusses how the limitations of various tests are overcome by adopting a combination of tests. It presents a quality assurance regime as a conclusion