

ABSTRACT

The purpose of this project is to get deeply in the knowledge of the main rehabilitation and reinforcement concrete structures methods. It is intended to know the rehabilitation and reinforcement method depending on which pathology the concrete structure exhibits, as well as the implementation process to apply in order to fix it.

The NP EN 1504 takes an important role in the rehabilitation and reinforcement concrete structures, because it defines principles and methods to use in order to make an efficient work.

It will be described the main concrete pathologies that occur during the construction process, as well as the cracks that may issue during the structure life time.

The main diagnostic tests for pathologies are divided into two groups, “in situ” tests and laboratory tests. These groups are often combined as complement of each other.

Keywords: Rehabilitation; Reinforcement; Pathologies; Tests; Causes
