

Introduction

The current UK standard for concrete specification is European Standard BS EN 206-1 together with the supplementary British Standard BS 8500, both of which should now be familiar to professionals engaged in the writing and interpretation of concrete specifications. This course explains the principles of the standards and how to achieve durable concrete.

Aims & Objectives

At the end of this course delegates will understand the principle in BS 8500 and its associated documents. They will be able to specify concrete to be durable in its intended environment and ensure that it is placed correctly

At the end of the course delegates will:

- Know how BS 8500, and SD 1 work together
- Understand the terminology in BS 8500
- Understand the differences between the concrete types
- Be able to identify the durability requirements for particular situations
- Understand how to specify concrete to meet the durability requirements
- Be able to ensure the concrete meets the specification through conformity and identity testing.

Course Outline

Session 1 (1¾ hrs)

- **Introduction to BS 8500**
- **Strength classes**
- **Cover to reinforcement**
- **Design life**
- **Concrete types**

Session 2 (1¾ hrs)

- **Durability**
- **Exercise** – determining durability requirements.

Session 3 (1 hr)

- **Cement types**
- **Aggregates**
- **Consistence classes**
- **Chloride classes**
- **Density**

Session 4 (1½ hrs)

- **Specifying concrete**
- **Conformity testing**
- **Identity testing**
- **Tolerances**
- **Action on non-conformity**

Further information

The course is intended for professionals in the construction industry who specify and oversee the placing of concrete including designers, and site engineers.

Specifying concrete using BS 8500

Course outline



Course Duration:

1 day (6 hours) IPD/CPD