



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL

TESTING  
and METROLOGY

# UBC-AEF

Concrete and Cement  
Laboratory - Physical Testing

MATERIALS DEPARTMENT

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## Scope

The Concrete and Cement Laboratory / Physical Testing Section (UBC/AEF) is part of the Materials Department, in the Cementitious Materials Unit, and is one of LNEC's first accredited laboratories,



This activity encompasses laboratory characterization, issuance of technical reports, repair recommendations, and monitoring of quality control for concrete and its constituents, based on the execution of in-situ work, including sample collection, non-destructive testing, and inspections.



## Highlights

UBC-AEF conducts laboratory and in-situ activities in the fields of prevention, diagnosis and prognosis of expansive reactions in concrete, monitoring of works and conservation of concrete structures.

## Field of expertise

The activity developed by UBC/AEF involves physical and mechanical characterization of aggregates, cements and concretes/mortars/grouts, and the like, and their assessment in the laboratory or on the construction site.

This activity supports the construction sector and promotes LNEC's strategy for Research, Development, and Innovation.

