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ICS 91.080.40

**ELECTROCHEMICAL REALKALIZATION AND
CHLORIDE EXTRACTION TREATMENTS FOR
REINFORCED CONCRETE - PART 1:
REALKALIZATION**

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English version

**Electrochemical realkalization and chloride extraction treatments
for reinforced concrete - Part 1: Realkalization**

Ré-alkalinisation électrochimique et traitements d'extraction
des chlorures applicables au béton armé - Partie 1 : Ré-
alkalinisation

Elektrochemische Realkalisierung und
Chloridextraktionsbehandlungen für Stahlbeton - Teil 1:
Realkalisierung

This Technical Specification (CEN/TS) was approved by CEN on 9 September 2004 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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Foreword

This document (CEN/TS 14038-1:2004) has been prepared by Technical Committee CEN/TC 219 “Cathodic protection”, the secretariat of which is held by BSI.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

The purpose of realkalization is to provide long-term corrosion protection of steel reinforcement in concrete, which has become carbonated.

There are other electrochemical procedures, which can be used to provide corrosion protection of steel in concrete structures. These include cathodic protection and chloride extraction. There is a European Standard for cathodic protection of steel in concrete (EN 12696).

It is assumed in the drafting of this document that the execution of its provisions is entrusted to appropriately qualified and competent people, for whose use it has been prepared.

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