



NSAI
Standards

Irish Standard
I.S. EN 1504-9:2008

Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 9: General principles for the use of products and systems

I.S. EN 1504-9:2008

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i> ENV 1504-9:1997	<i>This document is based on:</i> EN 1504-9:2008 ENV 1504-9:1997	<i>Published:</i> 10 September, 2008 30 June, 1998	
This document was published under the authority of the NSAI and comes into effect on: 15 October, 2008		ICS number: 01.040.91 91.080.40	
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie	Price Code: J
Údarás um Chaighdeáin Náisiúnta na hÉireann			

English Version

Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 9: General principles for the use of products and systems

Produits et systèmes pour la protection et la réparation de structures en béton - Définitions, exigences et maîtrise de la qualité et évaluation de la conformité - Partie 9: Principes généraux d'utilisation des produits et systèmes

Produkte und Systeme für den Schutz und die Instandsetzung von Betontragwerken - Definitionen, Anforderungen, Qualitätsüberwachung und Beurteilung der Konformität - Teil 9: Allgemeine Grundsätze für die Anwendung von Produkten und Systemen

This European Standard was approved by CEN on 27 July 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	6
3 Terms and definitions	6
4 Minimum requirements before protection and repair	7
4.1 General.....	7
4.2 Health and Safety.....	7
4.3 Assessment of defects and their causes	7
5 Protection and repair within a structure management strategy	9
5.1 General.....	9
5.2 Options	9
5.3 Factors	9
5.4 Choice of appropriate strategy.....	10
6 Basis for the choice of protection and repair principles and methods	10
6.1 General.....	10
6.2 Principles and methods of protection and repair.....	10
7 Properties of products and systems required for compliance with the principles of protection and repair	13
7.1 General.....	13
7.2 Methods which do not make use of specific products and systems	13
8 Maintenance following completion of protection and repair	13
9 Health, safety and the environment.....	13
10 Competence of personnel.....	13
Annex A (informative) Guidance and background information.....	15
Introduction	15
A.1 Scope	15
A.2 Normative reference	16
A.3 Terms and definitions	16
A.4 Minimum requirements before protection and repair.....	16
A.5 Protection and repair within a structure management strategy	20
A.6 Basis for the choice of protection and repair principles and methods	22
A.7 Properties of products and systems required for compliance with the principles of protection and repair	27
A.8 Maintenance following completion of protection and repair	28
A.9 Health, safety and environment	28
A.10 Competence of personnel.....	28
Bibliography	29

Foreword

This document (EN 1504-9:2008) has been prepared by Technical Committee CEN/TC 104 "Concrete and related products", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2009, and conflicting national standards shall be withdrawn at the latest by March 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

It has been prepared by Sub-committee 8 "Products and systems for the protection and repair of concrete structures" (Secretariat AFNOR).

This document supersedes ENV 1504-9:1997.

Modifications to ENV 1504-9:1997 are:

- a) Status of document changed from pre-standard to standard;
- b) Editorial and technical modifications in those cases where necessary.

This document is one part of the European Standard on "Products and systems for the protection and repair of concrete structures — Definitions, requirements, quality control and evaluation of conformity". The other parts are listed below:

- *Part 1: Definitions*
- *Part 2: Surface protection systems for concrete*
- *Part 3: Structural and non-structural repair*
- *Part 4: Structural bonding*
- *Part 5: Concrete injection*
- *Part 6: Anchoring of reinforcing steel bar*
- *Part 7: Reinforcement corrosion protection*
- *Part 8: Quality control and evaluation of conformity*
- *Part 10: Site application of products and systems and quality control of the works*

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

Introduction

Protection and repair of concrete structures require complex design work. This European Standard defines the principles for protection and repair of concrete structures which have suffered or may suffer damage or deterioration and gives guidance on the selection of products and systems which are appropriate for the intended use.

This European Standard identifies key stages in the repair process:

- assessment of the condition of the structure;
- identification of the causes of deterioration;
- deciding the options for protection and repair;
- selection of the appropriate principle(s) of protection and repair;
- selection of methods;
- definition of properties of products and systems;
- specification of maintenance requirements following protection and repair.

This European Standard contains an Annex A (Informative) which provides guidance and background information on the Normative text.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-