

Irish Standard I.S. EN 14490:2010

Execution of special geotechnical works - Soil nailing

© NSAI 2010

No copying without NSAI permission except as permitted by copyright law.

I.S. EN 14490:2010

Incorporating amendments/corrigenda/National Annexes issued since publication:					

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:	This document is based on: EN 14490:2010	<i>Publisi</i> 2 June,	
This document was published under the authority of the NSAI and comes into effect on: 15 June, 2010			ICS number: 93.020

NSAI 1 Swift Square, Northwood, Santry

Dublin 9 E standard

W NSAI.ie

T +353 1 807 3800 T +353 1 857 6730 F +353 1 807 3838 F +353 1 857 6729 E standards@nsai.ie W standards.ie

Sales:

Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. EN 14490:2010

EUROPEAN STANDARD NORME EUROPÉENNE

EN 14490

EUROPÄISCHE NORM

June 2010

ICS 93.020

English Version

Execution of special geotechnical works - Soil nailing

Exécution des travaux géotechniques spéciaux - Clouage

Ausführung von Arbeiten im Spezialtiefbau -Bodenvernagelung

This European Standard was approved by CEN on 25 April 2010.

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, Croatia, 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: Avenue Marnix 17, B-1000 Brussels

I.S. EN 14490:2010

EN 14490:2010 (E)

Contents				
Forewo	ord	3		
1	Scope	4		
2	Normative references	4		
3	Terms, definitions and symbols	5		
4	Information needed for the execution of the works	8		
5	Geotechnical investigation	9		
6	Materials and products	. 10		
7	Design considerations	. 14		
8	Execution	. 16		
9	Supervision, testing and monitoring	. 24		
10	Records	. 28		
11	Special requirements	. 29		
Annex	A (informative) Practical aspects of soil nailing	. 31		
Annex	B (informative) Aspects of design	. 43		
Annex	C (informative) Testing of soil nail systems	. 50		
Annex	D (informative) Degree of obligation of the specifications	. 59		
Bibliog	ıraphy	. 68		

EN 14490:2010 (E)

Foreword

This document (EN 14490:2010) has been prepared by Technical Committee CEN/TC 288 "Execution of special geotechnical works", the secretariat of which is held by AFNOR.

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 December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.

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.

The remit of CEN/TC 288 is the standardisation of the execution procedures for geotechnical works (including testing and control methods) and of the required material properties. CEN/TC 288/WG 13 has been charged with the preparation of EN 14490 in the subject area of soil nailing.

The document has been prepared to stand alongside EN 1997-1, *Eurocode 7: Geotechnical design*. "Design considerations" of this European Standard deals only with those matters which should be taken into account during the execution stage of soil nailing so that the design of the soil nailing system may be fulfilled. This European Standard, however, provides full coverage of the construction and supervision requirements.

This European Standard has been drafted by a working group comprising delegates from ten countries and the comments of these countries have been taken into account.

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, Croatia, 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.



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

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation