



NSAI
Standards

Irish Standard
I.S. EN 15836-1:2010

Plastics - Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools - Part 1: Homogenous membranes of nominal thickness equal to or greater than 0,75 mm

I.S. EN 15836-1:2010

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.

<i>This document replaces:</i>	<i>This document is based on:</i> EN 15836-1:2010	<i>Published:</i> 23 June, 2010
This document was published under the authority of the NSAI and comes into effect on: 29 June, 2010		ICS number: 83.140.10
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
Údarás um Chaighdeáin Náisiúnta na hÉireann		

ICS 83.140.10

English Version

**Plastics - Plasticized poly(vinyl chloride) (PVC-P) membranes
for inground swimming pools - Part 1: Homogenous membranes
of nominal thickness equal to or greater than 0,75 mm**

Plastiques - Membranes en poly(chlorure de vinyle) plastifié
(PVC-P) pour piscines enterrées - Partie 1: Membranes
homogènes d'épaisseur nominale supérieure ou égale à
0,75 mm

Kunststoffe - Kunststoffbahnen aus weichmacherhaltigem
Polyvinylchlorid (PVC-P) für erdverlegte Schwimmbäder -
Teil 1: Homogene Bahnen mit einer Nenndicke von
mindestens 0,75 mm

This European Standard was approved by CEN on 19 May 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

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms, definitions, symbols and abbreviations	5
3.1 Terms and definitions	5
3.2 Symbols	5
3.3 Abbreviations	5
4 Sampling and conditioning	6
4.1 Sampling	6
4.2 Conditioning of test pieces	6
5 PVC-P compound	6
5.1 Characteristics of the compound	6
5.2 Heavy metals and other dangerous substances	6
5.3 Environmental aspects	6
6 Visual characteristics	7
6.1 Appearance	7
6.2 Colour (plain coloured membranes)	7
6.3 Abrasion resistance (printed and/or coated membranes)	7
7 Physico-chemical characteristic	8
8 Dimensional characteristics	8
9 Mechanical characteristics	9
10 Characteristics for durability	9
11 Storage conditions	10
12 Installation, refurbishment, exploitation and maintenance	10
13 Designation and marking	11
13.1 Designation	11
13.2 Marking	11
Annex A (normative) Determination of the contents of CaCO ₃ , heavy metals and other elements	12
Annex B (normative) Assessment of chlorine resistance	13
B.1 Principle	13
B.2 Test liquid	13
B.3 Apparatus	13
B.4 Test pieces	13
B.5 Procedure	13
B.6 Test report	14
Annex C (normative) Assessment of the resistance to staining agents	15
C.1 Principle	15
C.2 Staining agents	15
C.3 Apparatus	15
C.4 Test specimens	15
C.5 Procedure	15
C.6 Expression of results	16
C.7 Test report	16
Bibliography	17

Foreword

This document (EN 15836-1:2010) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by NBN.

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.

EN 15836, *Plastics — Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools*, consists of the following parts:

- *Part 1: Homogenous membranes of nominal thickness equal to or greater than 0,75 mm* [this standard]
- *Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm*

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 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
-