

Standard Recommendation S.R. CEN/TR 16355:2012

Recommendations for prevention of Legionella growth in installations inside buildings conveying water for human consumption

© NSAI 2012

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

Incorporating amendments/	corrigenda/National Anne.	xes issued since public	cation:	
The National Standards Authori documents:	ty of Ireland (NSAI) produc	es the following cate	gories of formal	
I.S. xxx: Irish Standard – n subject to public consultation.	ational specification base	d on the consensus of	an expert panel and	
S.R. xxx: Standard Recomn panel and subject to public cons	nendation - recommendat ultation.	ion based on the cons	ensus of an expert	
SWiFT xxx: A rapidly develope participants of an NSAI worksho	ed recommendatory docui p.	ment based on the cor	nsensus of the	
This document replaces:				
This document is based on: CEN/TR 16355:2012	<i>Published:</i> 4 July, 2012			
This document was publish under the authority of the N and comes into effect on: 4 July, 2012			ICS number: 91.140.60	
<b>NSAI</b> 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				

# TECHNICAL REPORT

# **CEN/TR 16355**

# RAPPORT TECHNIQUE

# TECHNISCHER BERICHT

June 2012

ICS 91.140.60

#### **English Version**

# Recommendations for prevention of Legionella growth in installations inside buildings conveying water for human consumption

Recommandations de prévention du développement des légionnelles dans les installations de distribution d'eau destinée à la consommation humaine à l'intérieur des bâtiments Empfehlungen zur Verhinderung des Legionellenwachstums in Trinkwasser-Installationen

This Technical Report was approved by CEN on 25 March 2012. It has been drawn up by the Technical Committee CEN/TC 164.

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, Turkey and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

# CEN/TR 16355:2012 (E)

Cont	<b>ents</b> Pa	ge
Forewo	ord	3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4 4.1 4.2 4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.3 4.4 4.4.1 4.4.2	General recommendations Conditions for Legionella growth Temperature General Cold water temperature Hot water temperature External influences on temperature Thermal disinfection Stagnation Biofilm and sediments Biofilm Sediment	4 4 5 5 6 6
5	Types of hot water installation — Legionella prevention recommendations	
6	Blended water systems within the temperature ranges of 37 °C to 45 °C	
Annex	A (informative) Background	10
Annex	B (informative) List of official national documents concerning Legionella prevention	11
Annex	C (normative) Figures for Table 2 "Types of hot water installation"	14
Annex	D (informative) Further recommendations for dealing with external influences on temperature	18
Bibliog	yraphy	23

**CEN/TR 16355:2012(E)** 

# **Foreword**

This document (CEN/TR 16355:2012) has been prepared by Technical Committee CEN/TC 164 "Water Supply", the secretariat of which is held by AFNOR.

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.

This Technical Report should be read in conjunction with national regulations.

The status of this document as CEN Technical Report has been chosen because most of its content is not completely in line with practice and regulations in each Member State. This document gives recommendations for good practice concerning the prevention of Legionella growth in drinking water installations but existing national regulations remain in force.

In this report, one item of the technical concept to prevent proliferation of Legionella in drinking water installations is to keep the water temperature out of the range where Legionella can grow and to make the provision for thermal disinfection.



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	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