PD CEN/TS 16819:2015

BSI Standards Publication

Postal services — Parcel boxes for end use — Technical features

bsi.

...making excellence a habit.™

Document Sharing Hub

National foreword

This Published Document is the UK implementation of CEN/TS 16819:2015.

The UK participation in its preparation was entrusted to Technical Committee SVS/4, Postal services.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015.
Published by BSI Standards Limited 2015

ISBN 978 0 580 88556 3
ICS 03.240

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 November 2015.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: PD CEN/TS 16819:2015

TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

CEN/TS 16819

October 2015

ICS 03.240

English Version

Postal services - Parcel boxes for end use - Technical features

Services postaux - Boîtes à colis pour utilisation finale - Caractéristiques techniques

Postalische Dienstleistungen - Paketboxen für den Endverbrauch - Technische Merkmale

This Technical Specification (CEN/TS) was approved by CEN on 26 June 2015 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.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2015 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. CEN/TS 16819:2015 E

Documents
Document Sharing Hub

Full document details: PD CEN/TS 16819:2015

Contents

Page

European foreword 4
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 Classification, designation and coding 6
4.1 Parcel box types 6
4.2 Parcel sizes 6
4.3 Corrosion resistance 6
4.4 Security 6
5 Requirements 7
5.1 General requirements 7
5.2 Components 7
5.3 Dimensions 7
5.3.1 Parcel box dimensions 7
5.3.2 Gauge parcel 7
5.4 Ergonomics and safety 7
5.4.1 Installation height of the box and lock 7
5.4.2 Safety 8
5.4.3 Fire protection regulations 9
5.5 Corrosion and water penetration 9
5.5.1 General 9
5.5.2 Water penetration 9
5.6 Security 9
5.6.1 Security requirements 9
5.6.2 Security door and locks 9
5.6.3 Fixings 10
5.6.4 Casing strength 10
5.6.5 Other door systems 10
6 Test methods 10
6.1 General test requirements 10
6.2 Components 10
6.3 Dimensions 10
6.4 Ergonomics and safety 11
6.4.1 Installation height of the parcel box and lock 11
6.4.2 Safety 11
6.5 Corrosion and water penetration 11
6.5.1 Corrosion 11
6.5.2 Water penetration 11
6.6 Security 11
6.6.1 Security of door and locks 11
6.6.2 Fixings 13
6.6.3 Casing Strength 13
6.6.4 Other door systems 13

Documents
Document Sharing Hub
Full document details: PD CEN/TS 16819:2015

6.6.5 Marking, labelling and packaging **13**
Annex A (normative) Dimensions **15**
Annex B (informative) Installation height of access door **16**
Annex C (informative) Security **17**
Annex D (informative) Ventilation test **19**
Bibliography **20**

Documents
Document Sharing Hub
Full document details: PD CEN/TS 16819:2015

European foreword

This document (CEN/TS 16819:2015) has been prepared by Technical Committee CEN/TC 331 "Postal services", the secretariat of which is held by NEN.

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 document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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

Documents
Document Sharing Hub
Full document details: PD CEN/TS 16819:2015

1 Scope

This Technical Specification describes the technical features of parcel boxes for end use. This covers technical features such as size of parcels, ergonomics and safety, corrosion and water penetration resistance and security of delivery.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1670, *Building hardware - Corrosion resistance - Requirements and test methods*

EN 13724:2013, *Postal services - Apertures of private letter boxes and letter plates - Requirements and test methods*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13724:2013 and the following apply.

3.1
parcel box
receptacle intended to receive parcel delivered by postal and/or parcel operators

3.2
parcel box components
all parts supplied by the manufacturer of the parcel boxes

3.3
access door
opening through which a parcel is delivered

3.4
casing
enclosure receiving the parcels delivered excluding the box door

3.5
door
generally flat, whose purpose is to cover and/or seal an opening

Note 1 to entry: Doors can open inwards or outwards.

3.6
parcel
packed item with name and address of the recipient to be delivered by a postal and/or parcel operator

3.7
parcel reception area
complete area inside a parcel box where a parcel of the size XS can be placed

Documents
Document Sharing Hub
Full document details: PD CEN/TS 16819:2015

3.8
gauge parcel
parcel used to test the clear delivery of parcels

3.9
lock mechanism
locking device which is operated mechanically, electronically or by other means

3.10
delivery floor level
floor level on the delivery side of the parcel box

3.11
receiving floor level
floor level on the receiving side of the parcel box

3.12
theft prevention
protection against the theft of parcels

4 Classification, designation and coding

4.1 Parcel box types

a) Parcel box, dedicated to one receiver – limited to one delivery at the same time.

b) Parcel box, dedicated to one receiver –not limited to one delivery at the same time.

c) Parcel box, shared by several receivers – limited to one delivery at the same time.

d) Parcel box, shared by several receivers – not limited to one delivery at the same time.

4.2 Parcel sizes

Eight parcel sizes are identified. The dimensions correspond to the maximum parcel sizes. Dimensions are given in Annex A.

The manufacturer shall supply information with the box which parcel sizes fit inside the box.

4.3 Corrosion resistance

Three grades of corrosion are identified according to EN 1670:

a) Corrosion grade 0;

b) Corrosion grade 3;

c) Corrosion grade 4.

4.4 Security

Six grades of security are identified (see 5.6.2):

a) Security grade 1;

b) Security grade 2;

Documents
Document Sharing Hub
Full document details: PD CEN/TS 16819:2015