Wallcoverings — Vocabulary and symbols

The European Standard EN 235:2001 has the status of a British Standard

 $ICS\ 91.180;\ 01.040.91;\ 01.080.20$



National foreword

This British Standard is the official English language version of EN 235:2001. It supersedes BS 1248-1:1990 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CW/35, Wallcoverings, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Wallcoverings - Vocabulary and symbols

Revêtements muraux - Vocabulaire et symboles

Wandbekleidungen - Begriffe und Symbole

This European Standard was approved by CEN on 3 November 2001.

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

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 99 "Wallcoverings", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2002, and conflicting national standards shall be withdrawn at the latest by June 2002.

This European Standard supersedes EN 235:1989.

This revision includes new terms adopted for cork wallcoverings and updates all references to the revised specifications and methods of test for wallcoverings.

Annex A is informative.

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

1 Scope

This European Standard defines terms of interest to the users of wallcoverings that are supplied in roll form for hanging on to walls and ceilings by means of an adhesive. Cork panels are also included in the scope of this standard.

This standard also provides the necessary definitions and symbols for the purposes of other European Standards for wallcoverings (see references in clause 2).

Table 1 gives the symbols to be used.

2 General terms

2.1

wallcovering

all forms of flexible webs supplied in strips in roll form for hanging onto walls or ceilings by means of an adhesive. Tapestries and other similar wallhangings are excluded

2.2

finished wallcovering

wallcovering that is not intended to be decorated after hanging

2.3

wallcovering for subsequent decoration

wallcovering intended for decoration after hanging, for example, by the application of paint

2.4

wall lining

wallcovering intended to serve as a preparatory layer on the support prior to the application of a finished wallcovering or a wallcovering for subsequent decoration

2.5

base web

that part of a multi-layer wallcovering intended to contact the support

2.6

cork

protective layer of the cork oak tree (*Quercus suber* L.) which can be periodically removed from its trunk and branches to provide the raw material for cork products

2.7

cork products

2.7.1

granulated cork

fragments of cork obtained by grinding and/or milling raw or manufactured cork

2.7.2

agglomerated composition cork

product obtained from the agglutination of granulated cork with the addition of a binder not derived from cork cells

2.7.3

expanded cork

cork board

product made from granulated cork expanded and bonded exclusively with its own natural binder exuded from cork cells by heating under pressure

2.8

support

surface to which the wallcovering is applied, e.g. wall or ceiling

NOTE This is indicated by a thick solid line in the appropriate symbols in Table 1.

2.9

means of application

method by which the wallcovering is to be attached to the support during hanging, i.e. the surface(s) to which a suitable adhesive has to be applied, or has already been applied and requires activation

NOTE The appropriate symbols to indicate means of application are serial numbers 5.1 to 5.3 of Table 1. Where the means of application require to be combined, the necessary symbols from Table 1 should be used together, separated by a + sign of equivalent size to the symbols.

2.10

overlap and double cut

method by which the edges of adjoining lengths of wallcovering can be made to butt together. The adjoining edges of adjacent lengths of wallcovering are overlapped on the support during application and both thicknesses are cut through in a continuous movement with a sharp knife. The joint is opened and surplus wallcovering material removed before the adjoining edges are realigned

NOTE The appropriate symbol to indicate advice to overlap and double cut is serial number 7.1 of Table 1.

2.11

impact resistance

ability of a heavy-duty wallcovering to maintain its surface intact under the effect of impact

NOTE A wallcovering can be claimed to be impact resistant if it satisfies the impact resistance requirements of EN 259-2, the appropriate symbol to accompany such a claim being serial number 7.3 of Table 1.

2.12

production batch

definite quantity of some commodity manufactured or produced under conditions which are presumed uniform

2.13

reference sample

sample used for reference purposes to evaluate the changes that have occurred after the various tests carried out on the specimens

3 Generic types of wallcovering

3.1

wallpaper

finished wallcovering made of paper, the front face of which is decorated

3.2

wall vinyl

3.2.1

vinyl wallcovering on paper

finished wallcovering comprising a paper base web with a layer of material based on polyvinyl chloride or another polymer on its front surface. The front of the web or its vinyl coating is decorated. The coating is of such thickness and strength that it can be removed from its base web as a continuous self-supporting film

3.2.2

vinyl wallcovering on textile or non-woven

finished wallcovering comprising a textile or non-woven type base web with a layer of material based on polyvinyl chloride or another polymer on its front surface. The front of the web or its vinyl coating is decorated. The coating is of such thickness and strength that it can be removed from its base web as a continuous self-supporting film

3.3

plastics wallcovering

finished wallcovering made entirely of plastics, the front face of which is decorated

3.4

heavy duty wallcovering

finished wallcovering claimed to have high mechanical resistance and cleanability

3.5

textile wallcovering

finished wallcovering with a textile front face

3.6

cork wallcovering

product mainly made from cork or agglomerated composition cork, supplied either in panel or roll form, whose main intended use is for indoor application

3.7

border / frieze

decorative strip of finished wallcovering in roll form, of width not less than 32 mm designed and used as a supplementary decorative element

NOTE Borders/friezes are available in most types of wallcovering, unpasted or ready-pasted.

4 Sub-types of wallcovering

4.1

coated wallpaper

wallpaper with a thin transparent coating based on polyvinyl acetate or a similar plastics material applied over the top of the decoration, the coating having insufficient thickness to be removable as a continuous self-supporting film

4.2

relief wallcovering

wallcovering with a pronounced three-dimensional design or structure (raised and/or depressed) on the surface formed mechanically by the application of pressure, with or without heat, or chemically in conjunction with a foaming process

4.2.1

relief wallcovering—mechanically embossed

finished relief wallcovering on which the three-dimensional design or structure is mechanically formed by the application of pressure, with or without heat

4.2.1.1

ink embossed wallcovering

finished relief wallcovering which has been simultaneously printed and mechanically embossed

4.2.1.2

in-register embossed wallcovering

finished relief wallcovering which is mechanically embossed in register to a print

4.2.1.3

duplex embossed wallcovering

mechanically embossed relief wallcovering made from two webs which have been laminated with an adhesive at the mechanical embossing stage

NOTE 1 The appropriate symbol to indicate a duplex embossed wallcovering is serial number 7.2 of Table 1.

NOTE 2 The term 'duplex' should not be confused with the same word sometimes used in the paper industry in connection with two-layer papers.

4.2.2

relief wallcovering—chemically expanded

4.2.2.1

blown vinyl/ textured vinyl

finished relief wallcovering where the three-dimensional design or structure is made by foaming a layer and/or deposit of polyvinyl chloride or other polymeric material

4.2.2.2

chemically embossed/ sculptured wallcovering

finished relief wallcovering where the three-dimensional design or structure is made by a chemical process of embossing a layer and/or deposit of polyvinyl chloride or other polymeric material

4.3

prepasted wallcovering/ ready pasted wallcovering

wallcovering that carries its own factory-applied adhesive that normally has to be activated by water at the time of hanging

NOTE The appropriate symbol to indicate that a wallcovering is prepasted is serial number 5.3 of Table 1.

4.4

flocked wallcovering

finished wallcovering the surface of which has been decorated by cut textile fibres, bonded at one end to the surface by adhesive and standing more or less perpendicular to the surface

4.5

metal foil wallcovering

finished wallcovering in which a rolled film of metal is bonded to a base web to give a decorative effect

4.6

metallized wallcovering

finished wallcovering in which a metallized plastics film is bonded to a base web to give a decorative effect

4.7

metallic effect wallcovering

finished wallcovering with a coated or printed surface that incorporates a metal powder or a powder giving a metallic effect in the coating or on the surface

4.8

ingrain wallcovering

wallcovering consisting of paper structured by the incorporation of wood particles for use as a base for a finished wallcovering or for use as a wallcovering for subsequent decoration

4.9

mural

finished wallcovering with a pictorial motif which is non-repetitive. It can extend over more than one width

4.10

textured effect wallcovering

finished wallcovering where materials like grass, cork or granulates of organic and inorganic material are fixed onto a base material

4.11

self-adhesive borders

4.11.1

self-adhesive border

border with a factory-applied permanently tacky adhesive

4.11.2

peel and stick adhesive border

self-adhesive border where a temporary backing paper is removed before applying the border

4.11.3

self-wound adhesive border

self-adhesive border without backing paper that is applied to the wall directly from the roll

4.12

glassfibre wallcovering

wallcovering, made of woven or non-woven glassfibre, which may or may not be decorated

5 Cleanability terms

5.1

spongeable wallcovering

wallcovering from which the hanging adhesive may be wiped off the front face with a damp cloth or sponge at the time of hanging without causing visible damage providing it is done whilst the adhesive is still damp. No subsequent washability is claimed or implied

NOTE A wallcovering can be claimed to be spongeable, if it satisfies the appropriate requirements of clause 6 of EN 12956:1999, the appropriate symbol to accompany such a claim being serial number 1.1 of Table 1.

5.2

washable wallcovering

finished wallcovering from which dirt and some domestic water based stains may be cleaned carefully from the front face with a damp cloth and soapy water. Oils, fats and solvent based stains are not expected to be removable

NOTE A wallcovering can be claimed to be washable, if it satisfies the appropriate requirements of clause 6 of EN 12956:1999, the appropriate symbol to accompany such a claim being serial number 2.1 of Table 1.

5.3

extra-washable wallcovering

finished wallcovering from which dirt and most domestic water based stains may be cleaned from the front face with a wet cloth and soapy water. Oils, fats and solvent based stains are not expected to be removable, but some greasy stains can be removed if action is taken immediately after contamination

NOTE A wallcovering can be claimed to be extra-washable, if it satisfies the appropriate requirements of clause 6 of EN 12956:1999, the appropriate symbol to accompany such a claim being serial number 2.2 of Table 1.

5.4

scrubbable wallcovering

finished wallcovering of superior cleanability from which dirt and most domestic water based stains may be cleaned from the front face with a sponge or soft brush and a mild detergent or a mild abrasive. Oils, fats and certain solvent based stains can also be removed if tackled immediately after contamination

NOTE A wallcovering can be claimed to be scrubbable, if it satisfies the appropriate requirements of clause 6 of EN 12956:1999, the appropriate symbol to accompany such a claim being serial number 2.3 of Table 1.

5.5

extra-scrubbable wallcovering

finished wallcovering superior cleanability from which dirt and all domestic water based stains may be cleaned from the front face by intensive treatment with a sponge or a soft brush and a mild detergent or a mild abrasive. Oils, fats and certain solvent based stains can also be removed if tackled immediately after contamination

NOTE A wallcovering can be claimed to be extra-scrubbable if it satisfies the washability requirements of EN 259-1, the appropriate symbol to accompany such a claim being serial number 2.4 of Table 1.

6 Match and pattern terms

6.1

repeat

longitudinal distance between recurrent pattern details on the face of a wallcovering

6.2

side join

relationship between portions of the design pattern on adjacent lengths of a wallcovering that will be matched together when hung to create the overall pattern

6.3

free match

a wallcovering has free match when the pattern on the face is not intended to be matched in any specific longitudinal relationship between adjacent lengths, i.e. it can be hung without specific regard to matching

NOTE The appropriate symbol to indicate that a wallcovering has free match is serial number 4.1 of Table 1.

6.4

straight match

a wallcovering has straight match when the pattern details are such that adjacent lengths are intended to be hung without any longitudinal displacement in order to give the correct side join matching

NOTE The appropriate symbol to indicate that a wallcovering has straight match is serial number 4.2 of Table 1 with the dimensions of the design repeat, in centimetres, added after it.

6.5

offset match

a wallcovering has offset match when the pattern details are such that adjacent lengths are intended to be hung with longitudinal displacement in order to give the correct side join matching

NOTE The appropriate symbol to indicate that a wallcovering has offset match is serial number 4.3 of Table 1 with the dimensions of the design repeat, in centimetres, and the distance offset, in centimetres, added after it.

6.6

reverse alternate lengths

method of hanging a wallcovering whereby adjacent lengths are reversed

NOTE The appropriate symbol to indicate that it is appropriate or necessary to reverse alternate lengths is serial number 4.4 of Table 1.

6.7

pattern number

code uniquely identifying a specific design, effect and colour

6.8

batch number

serial code

code, alongside the pattern number, identifying products having consistently the same texture, shade, gloss and visual appearance

6.9

shading

checking, by visual inspection, that all rolls of the wallcovering are of the same shade before hanging to ensure that there are no unacceptable variations in appearance

6.10

Horizontal hanging

method of hanging a wallcovering whereby the lengths are hung horizontally

7 Removal terms

7.1

strippable wallcovering

wallcovering that can be removed manually in a dry state, substantially in one piece, by pulling it away from the support on which it was hung

NOTE The appropriate symbol to indicate that a wallcovering is strippable is serial number 6.1 of Table 1.

7.2

peelable wallcovering

wallcovering from which the decorative or protective surface can be removed manually from its base web in a dry state substantially in one piece. The base web remains on the support on which it was hung

NOTE The appropriate symbol to indicate that a wallcovering is peelable is serial number 6.2 of Table 1.

7.3

wet removable wallcovering

wallcovering that can be removed from the support on which it was hung by soaking it with water or a proprietary stripping agent or by steaming it and then scraping off the soaked material

NOTE The appropriate symbol to indicate that a wallcovering requires wet removal is serial number 6.3 of Table 1.

8 Colour fastness to light terms

8.1

colour fastness to light

ability of a wallcovering to maintain its original shade or colour under the effect of light

8.2

moderate colour fastness

colour fastness to light of numerical rating 3 when this property is determined by the method given in EN ISO 105-BO2

NOTE The appropriate symbol to accompany a claim of moderate colour fastness to light is serial number 3.1 of Table 1.

8.3

satisfactory colour fastness

colour fastness to light of numerical rating 4 when this property is determined by the method given in EN ISO 105-BO2

NOTE The appropriate symbol to accompany a claim of satisfactory colour fastness to light is serial number 3.2 of Table 1.

8.4

good colour fastness

colour fastness to light of numerical rating 5 when this property is determined by the method given in EN ISO 105-BO2

NOTE The appropriate symbol to accompany a claim of good colour fastness to light is serial number 3.3 of Table 1.

8.5

very good colour fastness

colour fastness to light of numerical rating 6 when this property is determined by the method given in EN ISO 105-BO2

NOTE The appropriate symbol to accompany a claim of very good colour fastness to light is serial number 3.4 of Table 1.

8.6

excellent colour fastness

colour fastness to light of numerical rating 7 when this property is determined by the method given in EN ISO 105-BO2

NOTE The appropriate symbol to accompany a claim of excellent colour fastness to light is serial number 3.5 of Table 1.

Table 1 — Symbols for marking purposes

Category and serial number	Description	Symbol	Designation character
1 Spongeabi	lity		
1.1	Spongeable at time of hanging	~~	А
2 Washability	/		
2.1	Washable	≈	В
2.2	Extra washable	*	С
2.3	Scrubbable	***************************************	D
2.4	Extra-scrubbable		E
3 Colour fast	ness to light		
3.1	Moderate	***	3
3.2	Satisfactory	** <u>*</u> *	4
3.3	Good		5
3.4	Very good	(6
3.5	Excellent		7
4 Pattern ma	tching	1	
4.1	Free match	→ 0	
4.2	Straight match	(with, added, the dimensions of design repeat in centimetres e.g. 50)	

Table 1 Continued

Category and serial number	Description	Symbol	Designation character
4.3	Offset match	→ ←	
		(with, added, the dimensions of design repeat and distance offset, in centimetres, e.g. 50/25)	
4.4	Reverse alternate lengths		
4.5	To be hung horizontally	<u>*</u>	
5 Means of	application 1)	1	
5.1	Adhesive to be applied to the wallcovering	<u>_</u>	G
5.2	Adhesive to be applied to the support to be decorated	1 -	H J
5.3	Prepasted (ready pasted)	4	К
6 Method o	f removal		
6.1	Strippable		1
6.2	Peelable	V	2
6.3	Wet removable	\	3
7 Miscellan	eous		1
7.1	Overlap and double cut	<u> </u>	
7.2	Duplex embossed		
7.3	Impact resistant		

¹⁾ Where symbols in this category require to be used in combination, e.g. 5.1 and 5.2, the necessary symbols shall be given as shown, separated by a + sign of equivalent size to these symbols.

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EN 12956:1999, Wallcoverings in roll form - Determination of dimensions, straightness, spongeability and washability.

EN ISO 105-B02, Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:1994, including Amendment 1:1998).

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