

SLOVENSKI STANDARD kSIST FprEN 13553:2014

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Netekstilne talne obloge - Polivinilkloridne talne obloge za uporabo na izjemno vlažnih površinah - Specifikacija

Resilient floor coverings - Polyvinyl chloride floor coverings for use in special wet areas - Specification

Elastische Bodenbeläge - Polyvinylchlorid-Bodenbeläge zur Anwendung in besonderen Nassräumen - Spezifikation

Revêtements de sol résilients - Revêtements de sol à base de polychlorure de vinyle pour zones humides spéciales - Spécification

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

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Foreword

This document (FprEN 13553:2014) has been prepared by Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings", the secretariat of which is held by NBN.

This document is currently submitted to the Formal Vote.

This document will supersede EN 13553:2002.

Significant changes compared to the previous edition are:

• Superseded EN standards were replaced by corresponding EN ISO standards.

1 Scope

This European standard specifies the minimum additional characteristics which are necessary for:

- polyvinyl chloride floor coverings in roll form according to EN ISO 10581 or EN ISO 10582 and
- polyvinyl chloride floor coverings with foam backing in roll form to EN 651

to be installed satisfactorily in special wet areas to form a watertight installation with a long life. It specifies two categories (A and B) for use on different substrates.

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 651, Resilient floor coverings - Polyvinyl chloride floor coverings with foam layer - Specification

EN 661, Resilient floor coverings - Determination of the spreading of water

EN 684, Resilient floor coverings - Determination of seam strength

EN 12466, Resilient floor coverings - Vocabulary

EN ISO 10581, Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications (ISO 10581)

EN ISO 10582, Resilient floor coverings - Heterogeneous poly(vinyl chloride) floor coverings - Specification (ISO 10582)

EN ISO 24340, Resilient floor coverings - Determination of thickness of layers (ISO 24340)

EN ISO 24344, Resilient floor coverings - Determination of flexibility and deflection (ISO 24344)

EN ISO 24346, Resilient floor coverings - Determination of overall thickness (ISO 24346)

3 Terms and definitions

For the purposes of this European Standard the terms and definitions of EN 12466 and the following terms definition apply:

3.1

special wet area

area where floors are designed to be frequently or permanently wet and equipped with a floor-based drain, for example bathrooms with free-standing tubs, shower rooms without partitions.

4 Requirements

4.1 General requirements

Products covered by this standard shall conform to the requirements of EN ISO 10581, EN ISO 10582 or EN 651.

4.2 Additional performance requirements

Floor coverings conforming to the requirements of EN ISO 10581, EN ISO 10582 or EN 651 are suitable for special wet areas when they meet the additional requirements specified in Table 1.

Table 1 — Products suitable for special wet areas

Characteristic	Identity code W1	Identity code W2	Identity code W3	Test method	
Floor covering type 1)	Floor coverings conforming to EN ISO 10581 or EN ISO 10582	Floor coverings conforming to EN ISO 10581 or EN ISO 10582	Floor coverings conforming to EN 651		
Substrate type 2)	Category A	Category B	Category A		
Nominal overall thickness (in mm)	≥ 1,5	≥ 2,0		EN ISO 24346	
Total thickness of compact layers (in mm)	as for overall thickness	as for overall thickness	≥ 1,0	EN ISO 24340	
Spreading of water (in days)	-	-	≥ 7	EN 661	
Seam strength, when welded in accordance with the manufacturer's instructions (in N/50 mm)	≥ 240	≥ 400	≥ 240	EN 684	
Flexibility	exibility When bent around a mandrel of 10 mm dian cracking or other surface deterioration shall be with the naked eye			EN ISO 24344	
		us materials the te side as well as with			
Water tightness	ightness The welded product shall be classified watertight.			Annex A	
1) For installation see Annex C					

4.3 Installation

See Annex C.

5 Marking

Floor coverings covered by this standard and/or their packaging shall bear the following marking in addition to the marking according to EN ISO 10581, EN ISO 10582 or EN 651;

- number and year of publication of this European Standard (FprEN 13553:2014);
- identity code W1, W2 or W3; b)
- category A or B. c)

²⁾ For choice of category see Annex B

Annex A (normative) Water tightness test

A.1 Scope

This annex describes a method for testing the water tightness of floor coverings.

A.2 Apparatus

A base of non-porous material such as metal or glass, on which the sample rests during testing.

NOTE If the base is transparent and suitably supported, it will enable any leakage to be observed from below.

- A watertight, bottomless box-frame, to be placed on top of the test specimen. The box shall have vertical sides at least 300 mm and shall cover a surface area of at least 300 mm x 500 mm. The box will be supporting water pressure and should therefore be held in place by clamps or weights. The box-frame shall be sealed to achieve water tightness between the floor covering and the box frame.
- Indicator paper, sensitive to moisture.

A.3 Test specimen

The test specimen shall be flat or capable of being flattened so that it lies flat on the base. The base may be covered by polyethylene foil or similar material. When preparing test specimens the manufacturer's instructions shall be observed.

The size of the specimen shall be at least 500 mm x 800 mm and it shall be provided with seams welded in accordance with manufacturer's recommendations (see Figure A.1).