

STN	Tuhé ochranné panely z termoplastov na obklady stien určené na vnútorné použitie v budovách Funkčné požiadavky	STN EN 17104 64 4222
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Thermoplastics rigid protective wallcovering panels for internal use in buildings - Performance characteristics

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/21

Obsahuje: EN 17104:2021

132660

EUROPEAN STANDARD

EN 17104

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

ICS 83.140.10

English Version

Thermoplastics rigid protective wallcovering panels for internal use in buildings - Performance characteristics

Panneaux de protection murale rigides en thermoplastiques pour usage intérieur dans le bâtiment - Caractéristiques de performance

Kunststoff-Wandschutzplatten für die Anwendung in Gebäuden - Leistungsmerkmale

This European Standard was approved by CEN on 27 December 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 17104:2021 (E)**European foreword**

This document (EN 17104:2021) 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of an identical text or by endorsement, at the latest by July 2021, and conflicting national standards shall be withdrawn at the latest by October 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization request (i.e. M/121) given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Regulation (EU) No 305/2011.

For relationship with Regulation (EU) No 305/2011 on construction products (CPR), see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

An overview of European standards for products used as wall finishes is given in Figure 1.

<p>EN 438-7:2005</p> <p>High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (Usually called Laminates) — Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes (CEN/TC 249)</p>	<p>EN 13245-2:2008</p> <p>Plastics — Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications — Part 2: PVC-U profiles and PVC-UE profiles for internal and external wall and ceiling finishes (CEN/TC 249)</p>	<p>EN 17104 :2021</p> <p>Thermoplastics rigid protective wallcovering panels for internal use in buildings — Performance Characteristics (CEN/TC 249) (This document)</p>	
<p>EN 1013+A1:2014</p> <p>Light transmitting single skin profiled plastics sheets for internal and external roofs, walls and ceilings — Requirements and test methods (CEN/TC 128)</p>	<p>EN 16153+A1:2015</p> <p>Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings — Requirements and test methods (CEN/TC 128)</p>	<p>EN 16240:2013</p> <p>Light transmitting flat solid polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings — Requirements and test methods (CEN/TC 128)</p>	<p>EN 15102:2019</p> <p>Decorative wallcoverings — Roll form (CEN/TC 99)</p>
<p>EN 14782:2006</p> <p>Self-supporting metal sheet for roofing, external cladding and internal lining — Product specification and requirements (CEN/TC 128)</p>	<p>EN 13986+A1:2005</p> <p>Wood-based panels for use in construction — Characteristics, evaluation of conformity and marking (CEN/TC 112)</p>	<p>EN 14915:2017+A2:2020</p> <p>Solid wood panelling and cladding — Characteristics, requirements and marking (CEN/TC 175)</p>	<p>EN 15286:2013</p> <p>Agglomerated stone — Slabs and tiles for wall finishes (internal and external) (CEN/TC 246)</p>

Figure 1 — European standards for products used as wall finishes

EN 17104:2021 (E)**1 Scope**

This document specifies characteristics for thermoplastics rigid protective wallcovering panels whose purposes are decorative and protective, but non-structural.

The thermoplastics rigid protective wallcovering panels are intended to be used as finishes for hanging onto internal walls and wall partitions by means of adhesive. Their surface may be with or without embossing.

It also specifies the procedures for the assessment and verification of constancy of performance (AVCP) of the thermoplastics rigid protective wallcovering panels.

This document does not cover thermoplastics rigid protective wallcovering panels:

- fixed onto internal walls and wall partitions by other means than by adhesives, as well as the adhesives and ancillary products themselves,
- intended to be used on ceilings.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 717-1:2004, *Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method*

EN 12149:1997, *Wallcoverings in roll form - Determination of migration of heavy metals and certain other elements, of vinyl chloride monomer and of formaldehyde release*

EN 12667:2001, *Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Products of high and medium thermal resistance*

EN 13238:2010, *Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates*

EN 13501-1:2018, *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

EN 13823:2020, *Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item*

CEN/TS 15117:2005, *Guidance on direct and extended application*

EN 16516:2017+A1:2020, *Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air*

EN ISO 354:2003, *Acoustics - Measurement of sound absorption in a reverberation room (ISO 354:2003)*

EN ISO 6603-1:2000, *Plastics - Determination of puncture impact behaviour of rigid plastics - Part 1: Non-instrumented impact testing (ISO 6603-1:2000)*

EN ISO 10456:2007/AC:2009, *Building materials and products - Hygrothermal properties - Tabulated design values and procedures for determining declared and design thermal values - Technical Corrigendum 1 (ISO 10456:2007/Cor 1:2009)*

EN ISO 11654:1997, *Acoustics - Sound absorbers for use in buildings - Rating of sound absorption (ISO 11654:1997)*

EN ISO 11925-2:2020, *Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test (ISO 11925-2:2020)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN