
Polimerni materiali - Profili iz trdega polivinilklorida (PVC-U) za izdelavo oken in vrat - Terminologija za materiale na osnovi PVC

Plastics - Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors - Terminology of PVC based materials

Kunststoffe - Profile aus weichmacherfreiem Polyvinylchlorid (PVC-U) zur Herstellung von Fenstern und Türen - Terminologie von Werkstoffen auf Basis von PVC

Plastiques - Profilés de polychlorure de vinyle non plastifié (PVC-U) pour la fabrication des fenêtres et des portes - Terminologie des matériaux à base de PVC

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ICS:

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91.060.50	Vrata in okna	Doors and windows

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EUROPEAN STANDARD
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English Version

**Plastics - Unplasticized polyvinylchloride (PVC-U) profiles
for the fabrication of windows and doors - Terminology of
PVC based materials**

Plastiques - Profilés de polychlorure de vinyle non
plastifié (PVC-U) pour la fabrication des fenêtres et des
portes - Terminologie des matériaux à base de PVC

Kunststoffe - Profile aus weichmacherfreiem
Polyvinylchlorid (PVC-U) zur Herstellung von Fenstern
und Türen - Terminologie von Werkstoffen auf Basis
von PVC

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 249.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (prEN 17508:2020) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

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prEN 17508:2020 (E)**1 Scope**

This document specifies terms and definitions for different PVC based materials used for the production of unplasticized polyvinylchloride (PVC-U) profiles for windows and doors.

It describes the content and meaning of post-consumer and post-industrial recyclate as it is used in new products. It distinguishes between different PVC recepies used in production for PVC window and door profiles.

This document serves as the reference standard for definitions used in related standards such as all parts of EN 12608, EN 17410 or standards for PVC based profiles for building applications.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1 material

PVC-U compound in a form of granules or powder for the production of PVC-U profiles intended to be used for the fabrication of a window or door kSIST FprEN 17508:2021

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3.2 defined formulation

formulation which is a specified composition of polymer, additives and pigments

3.3 virgin unplasticized polyvinylchloride PVC-U

material of a defined formulation, which has not been used or processed other than required for its manufacture and to which no rPVC-U (3.6) has been added

Note 1 to entry: Material can be UV, non-UV or reduced UV-resistant.

3.3.1 UV resistant material UVM

material which fullfills weathering resistance

Note 1 to entry: Weathering resistance shall be defined in the referring standard

3.3.2 reduced UV resistant material RUVM

material which fullfills reduced weathering resistance

Note 1 to entry: Weathering resistance shall be defined in the referring standard

3.3.3**non-UV resistant material****NUVM**

material which does not necessarily satisfy the requirements of the resistance to weathering

Note 1 to entry: Weathering resistance shall be defined in the referring standard

3.4**internally reused material****IRM**

internal material to be reused which includes mismeasured, unused products and offcuts from internally extruded, virgin material

Note 1 to entry: Different defined formulations cannot be mixed.

Note 2 to entry: Material can be UV, non-UV or reduced UV-resistant.

Note 3 to entry: "Internally" refers to the same profile manufacturing company group even if located at different sites.

3.5**PVC-U waste**

any PVC-U profile which the holder discards or intends or is required to discard

3.5.1**PVC-U pre-consumer waste**

descriptive term covering material diverted during a manufacturing process

Note 1 to entry: The term post-industrial material is sometimes used synonymously.

[SOURCE: EN ISO 472:2013, 2.1701, modified]

3.5.2**PVC-U post-consumer waste**

descriptive term covering material, generated by the end-users of products, that has fulfilled its intended purpose or can no longer be used (including material returned from within the distribution chain)

[SOURCE: EN ISO 472:2013, 2.1700, modified]

3.6**recycled unplasticized polyvinylchloride****PVC-U recyclate****rPVC-U**

recycled, unplasticized polyvinylchloride

Note 1 to entry: Material can be UV, non-UV or reduced UV-resistant

Note 2 to entry: Table 1 lists products commonly recycled into rPVC-U of a quality for use in the end applications as outlined.

Table 1 — Products commonly recycled into rPVC-U

	PVC- U product (post-consumer waste and pre-consumer waste)^a	PVC-U end application
Accepted	1) window profiles 2) door profiles 3) roller shutter profiles 4) roller shutter box 5) blinds 6) cladding 7) window board 8) building profiles	1) window profiles 2) door profiles
^a Non-listed PVC products with the same material quality as those listed may likewise be used.		

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