

<b>STN</b>	<b>Plasty</b> <b>Profily z polyvinylchloridu (PVC)</b> <b>Stanovenie pevnosti zvarených rohov</b> <b>a T-spojov</b>	<b>STN</b> <b>EN 514</b>  64 3231
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Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the strength of welded corners and T-joints

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. 07/25

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EUROPEAN STANDARD

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English Version

## Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the strength of welded corners and T- joints

Plastiques - Profilés à base de poly(chlorure de vinyle)  
(PVC) - Détermination de la résistance des  
assemblages soudés en angle et en T

Kunststoffe - Profile auf Basis von Polyvinylchlorid  
(PVC) - Bestimmung der Festigkeit verschweißter  
Ecken und T-Verbindungen

This European Standard was approved by CEN on 7 April 2025.

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

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**EN 514:2025 (E)**

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## European foreword

This document (EN 514:2025) has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by November 2025, and conflicting national standards shall be withdrawn at the latest by November 2025.

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 supersedes EN 514:2018.

EN 514:2025 includes the following significant technical changes with respect to EN 514:2018:

- term 3.1 "failure load" has been revised;
- in 5.1 the measuring range of load for the tensile or compression testing machine has been expanded.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

**EN 514:2025 (E)****1 Scope**

This document specifies a tensile bending method and a compression bending method for determining the failure stress of welded corners and welded T-joints made from unplasticized poly(vinyl chloride) (PVC-U) profiles.

It is applicable to PVC based profiles used for the fabrication of windows and doors.

**2 Normative references**

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**