SLOVENSKI STANDARD
oSIST prEN 514:2017

01-januar-2017

Profili iz trdega polivinilklorida (PVC-U) za izdelavo oken in vrat - Ugotavljanje trdnosti kotnih varov in varov T

Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors - Determination of the strength of welded corners and T-joints

Profile aus weichmacherfreiem Polyvinylchlorid (PVC-U) zur Herstellung von Fenstern und Türen - Bestimmung der Festigkeit verschweißter Ecken und T-Verbindungen

Profilés de poly(chlorure de vinyle) non plastifié (PVC-U) pour la fabrication des fenêtres et des portes - Détermination de la résistance des assemblages soudés en angle et en T

Ta slovenski standard je istoveten z: **prEN 514**

ICS:

83.140.99	Drugi izdelki iz gume in polimernih materialov	Other rubber and plastics products
91.060.50	Vrata in okna	Doors and windows

oSIST prEN 514:2017 **en,fr,de**

EUROPEAN STANDARD

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Will supersede EN 514:2000

English Version

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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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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 514:2016) 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.

This document will supersede EN 514:2000.

1 Scope

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

This European Standard is applicable to PVC-U profiles for the fabrication of windows and doors.

2 Terms and definitions

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

2.1
failure load
load at which yield occurs, or, if yield does not occur, load at which the test piece breaks

3 Principle

Welded corners and T-joints made from unplasticized poly(vinyl chloride) (PVC-U) profiles are subjected to a tensile bending or compression bending test at specified temperature and test speed.

The failure load is recorded and the failure stress is calculated.

4 Apparatus

4.1 Tensile or compression testing machine

Tensile or compression testing machines are used with the following specifications:

a) measuring range of load: 2 kN to 20 kN;

b) load indication with zero point setting and peak recording;

c) measurement accuracy: ± 3 %;

d) test speed: (50 ± 5) mm/min.