



NSAI
Standards

Irish Standard
I.S. EN 17271:2019

Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the peel strength of profiles laminated with foils

I.S. EN 17271:2019

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National Foreword

I.S. EN 17271:2019 is the adopted Irish version of the European Document EN 17271:2019, Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the peel strength of profiles laminated with foils

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EUROPEAN STANDARD

EN 17271

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2019

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English Version

Plastics - Poly(vinyl chloride) (PVC) based profiles -
Determination of the peel strength of profiles laminated
with foils

Plastiques - Profilés à base de poly(chlorure de vinyle)
(PVC) - Détermination de la résistance au pelage de
profilés avec des films plaxés

Kunststoffe - Profile auf Basis von Polyvinylchlorid
(PVC) - Bestimmung der Schälfestigkeit von mit Folien
kaschierten Profilen

This European Standard was approved by CEN on 12 May 2019.

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European foreword

This document (EN 17271:2019) 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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EN 17271:2019 (E)

1 Scope

This document specifies a test method for determining the peel strength of poly(vinyl chloride) (PVC) based profiles laminated with foils.

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 ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system (ISO 7500-1)*

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 <http://www.iso.org/obp>

3.1 profile

product produced by extrusion

3.2 laminated profile

profile covered with a foil by means of adhesive

3.3 base profile

profile without foil

3.4 assembly

<adhesives> group of materials or parts, including adhesive, which have been placed together for bonding or which have been bonded together

[SOURCE: EN ISO 10365:1995, 3.1 [1]]

3.5 peel off

separation of foil from the base profile which results in adhesion failure (3.6) or cohesion failure (3.7)

Note 1 to entry: Foil rupture is not considered as peel off.

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