



National Standards Authority of Ireland

IRISH STANDARD

S.R. CEN/TS 15534-3:2007

ICS 79.060.01

**WOOD-PLASTICS COMPOSITES (WPC) -
PART 3: CHARACTERISATION OF WPC
PRODUCTS**

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
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CEN/TS 15534-3

May 2007

ICS 79.060.01

English Version

**Wood-plastics composites (WPC) - Part 3: Characterisation of
WPC products**

Composites bois-plastiques (WPC) - Partie 3 :
Caractérisation des produits en WPC

Holz-Polymer-Werkstoffe (WPC) - Teil 3: Beschreibung von
WPC- Erzeugnissen

This Technical Specification (CEN/TS) was approved by CEN on 29 December 2006 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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Foreword

This document (CEN/TS 15534-3:2007) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by NBN.

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

CEN/TS 15534 consists of the following parts, under the general title *Wood plastics composites (WPC)*:

- *Part 1: Test methods for characterisation of WPC materials and products*
- *Part 2: Characterisation of WPC materials*
- *Part 3: Characterisation of WPC products*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CEN/TS 15534-3:2007 (E)

1 Scope

This Technical Specification identifies the required and optional properties of wood-plastics composite (WPC) products. It is intended to be used as a basis for the specifications of WPC products.

This part is applicable to WPC products intended to be used as decking and siding.

NOTE Other applications may be covered when this document will be revised.

2 Normative references

The following referenced documents are indispensable for the application 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 310, *Wood based panels — Determination of modulus of elasticity in bending and of bending strength*

EN 317, *Particleboards and fibreboards — Determination of swelling in thickness after immersion in water*

EN 318, *Wood-based panels — Determination of dimensional changes associated with changes in relative humidity*

EN 321, *Wood based panels — Determination of moisture resistance under cyclic test conditions*

EN 477, *Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors — Determination of the resistance to impact of main profiles by falling mass*

EN 479, *Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors — Determination of heat reversion*

EN 789:2004, *Timber structures — Test methods — Determination of mechanical properties of wood based panels*

EN 927-6, *Paints and varnishes — Coating materials and coating systems for exterior wood — Part 6: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water*

ENV 1156, *Wood-based panels — Determination of duration of load and creep factors*

EN 1383, *Timber structures — Test methods — Pull through resistance of timber fasteners*

EN 13446, *Wood-based panels — Determination of withdrawal capacity of fasteners*

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

EN 13893, *Resilient, laminate and textile floor coverings — Measurement of dynamic coefficient of friction on dry floor surfaces*

CEN/TS 15534-1:2007, *Wood-plastics composites (WPC) — Part 1: Test methods for characterisation of WPC materials and products*

CEN/TS 15534-2, *Wood-plastics composites (WPC) — Part 2: Characterisation of WPC materials*

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