

<b>STN P</b>	<b>Náterové látky</b> <b>Náterové materiály a náterové systémy na drevo</b> <b>používané vo vonkajšom prostredí</b> <b>Časť 8: Stanovenie príľnavosti na dreve skúškou</b> <b>dvojitým rezom X po vystavení vo vode</b>	<b>STN P</b> <b>CEN/TS 927-8</b>  67 2010
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Paints and varnishes - Coating materials and coating systems for exterior wood - Part 8: Determination of the adhesion on wood after water exposure by a double-X-cut test

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. 05/22

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English Version

**Paints and varnishes - Coating materials and coating systems for exterior wood - Part 8: Determination of the adhesion on wood after water exposure by a double-X-cut test**

Peintures et vernis - Produits de peinture et systèmes de peinture pour le bois en extérieur - Partie 8 : Détermination de l'adhésion sur le bois après une exposition à l'eau lors d'un essai avec double incision en X

Beschichtungsstoffe - Beschichtungsstoffe und Beschichtungssysteme für Holz im Außenbereich - Teil 8: Bestimmung der Haftfestigkeit auf Holz durch Doppel-Kreuzschnittprüfung nach Wasserbeanspruchung

This Technical Specification (CEN/TS) was approved by CEN on 21 October 2019 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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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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**CEN/TS 927-8:2020 (E)**

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## **European foreword**

This document (CEN/TS 927-8:2020) has been prepared by Technical Committee CEN/TC 139 “Paints and varnishes”, the secretariat of which is held by DIN.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: 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, Turkey and the United Kingdom.

**CEN/TS 927-8:2020 (E)****Introduction**

This Technical Specification (CEN/TS 927-8) is one of two methods for assessing the resistance of a coating system to removal by external forces provided by either double-X-cutting or direct pull-off (CEN/TS 927-9). Two existing ISO Standards (EN ISO 2409 and EN ISO 4624) specify test methods for dry substrates in general, but make no provision for wet conditions, where wood coatings are known to be particularly vulnerable. Both CEN methods (CEN/TS 927-8 and CEN/TS 927-9) take into account the special nature of wood as a substrate because as well wet conditions as the selection of the substrate are considered.

The adhesion of a coating system to a wood substrate can be reduced by high moisture content particularly at the wood/coating interface. Water can access this interface either from the outside because the coating film itself is permeable or through film defects. Water can also come from the wood substrate, and thus reach the coating film from the rear. The described method is applicable for testing the adhesion of a coating system to wood or wood based substrates under both dry and wet conditions.

## **1 Scope**

This document describes the method for assessing the resistance of paint coatings to separation from substrates when a double-X pattern is cut into the coating, penetrating through to the substrate and using a tape.

Where a measurement of adhesion is required, the method described in CEN/TS 927-9 can be used.

The double X-cut pattern has been especially designed for wood and wood like substrates to minimize the effects from the incisions and at the same time provide a coating segment enclosed by four cuts.

## **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 2409, *Paints and varnishes — Cross-cut test (ISO 2409)*

EN ISO 4618, *Paints and varnishes — Terms and definitions (ISO 4618)*

CEN/TS 927-9, *Paints and varnishes — Coating materials and coating systems for exterior wood — Part 9: Determination of pull-off strength after water exposure*

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