

STN	Výbušniny na civilné použitie Trhaviny, zosilňovacie náplne a výbušné látky Časť 17: Overenie prenosu deflagrácie čierneho prachu na trhacie práce	STN EN 13631-17
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Explosives for civil uses - Explosives for blasting, boosters and explosive substances - Part 17: Verification of transmission of deflagration of black powder used for blasting

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Explosives for civil uses - Explosives for blasting, boosters
and explosive substances - Part 17: Verification of
transmission of deflagration of black powder used for
blasting**

Explosifs à usage civil - Explosifs de mine,
renforçateurs, et substances explosives - Partie 17 :
Vérification de la transmission de la déflagration de la
poudre noire de mine

Explosivstoffe für zivile Zwecke - Treibladungspulver
und Raketentreibstoffe - Teil 17: Überprüfung der
Deflagrationsübertragung von Schwarzpulver für
Sprengarbeiten

This European Standard was approved by CEN on 29 September 2025.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13631-17:2025) has been prepared by Technical Committee CEN/TC 321 "Explosives for civil uses", the secretariat of which is held by UNE.

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 April 2026 and conflicting national standards shall be withdrawn at the latest by April 2026.

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 13938-7:2004.

EN 13631-17:2025 includes the following significant technical changes with respect to EN 13938-7:2004:

- a) the document has been completely revised so that the requirements for black powder have been removed – the requirements for black powder used as propellant, for pyrotechnics or for safety fuses are given in EN 13938-1:2025 and requirements for black powder used for blasting are given in EN 13631-1:2025;
- b) the document has been moved from the EN 13938 series to the EN 13631 as new part 17; in addition, the title of the part has been changed from "Determination of properties of black powder" to: "Verification of transmission of deflagration of black powder used for blasting";
- c) the Scope has been revised to clarify that the document now only contains a method for the verification of the transmission of deflagration of black powder used for blasting;
- d) the normative references have been updated;
- e) the terminology entries 3.1 and 3.2 have been removed;
- f) Clauses 4 and 5 have been restructured and shortened so that they now only contain the revised and enlarged specifications of former subclauses 5.2.5.1, 5.2.5.2 and 5.2.5.3;
- g) Clause 6 "Preparation of test sample" has been added and contains the revised and enlarged specifications of former subclause 5.2.5.5;
- h) Clause 7 "Procedure" has been added and contains the revised and enlarged specifications of former subclause 5.2.5.6 – instead of a determination of the transmission of deflagration, a verification at a defined distance is carried out;
- i) Clause 8 "Expression of results" has been revised;
- j) the clause "Test report" does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised in accordance with the revised procedure;
- k) former Annex A "Range of applicability of the test method" has been removed;
- l) Annex ZA has been updated;
- m) the Bibliography has been updated and now contains also EN ISO/IEC 17025:2017.

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This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

A list of all parts in the EN 13631 series, published under the general title *Explosives for civil uses—Explosives for blasting, boosters and explosive substances* can be found on the CEN website.

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 organizations 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.

1 Scope

This document specifies a test method for the verification of the transmission of deflagration of black powder used for blasting.

This document applies only to black powder in granular form or in compressed form.

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 10027-1:2016, *Designation systems for steels — Part 1: Steel names*

EN 13631-1:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 1: Requirements*

EN 13857-1:2025, *Explosives for civil uses — Part 1: Vocabulary*

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