

<b>STN</b>	<b>Zemné práce</b> <b>Geotechnické laboratórne skúšky</b> <b>Časť 2: Norma na skúšku rozdrobovateľnosti</b>	<b>STN</b> <b>EN 17542-2</b>  73 3002
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Earthworks - Geotechnical laboratory tests - Part 2: Fragmentability test standard

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. 09/22

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English Version

**Earthworks - Geotechnical laboratory tests - Part 2:  
Fragmentability test standard**Terrassements - Essais géotechniques en laboratoire -  
Partie 2 : Essai de fragmentabilitéErdarbeiten - Geotechnische Laborversuche - Teil 2:  
Prüfung der Zertrümmerbarkeit

This European Standard was approved by CEN on 20 April 2022.

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**EN 17542-2:2022 (E)**

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## **European foreword**

This document (EN 17542-2:2022) has been prepared by Technical Committee CEN/TC 396 “Earthworks”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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**EN 17542-2:2022 (E)****Introduction**

The fragmentability coefficient  $I_{FR}$  is an identification parameter adopted in the classification of materials for earthworks according to EN 16907-2.

## 1 Scope

This document defines the principle and the methods for the determination of the “fragmentability coefficient” of rocky material.

The fragmentability coefficient  $I_{FR}$  distinguishes the behaviour of certain rocky material and is used to show the change in particle size from the moment that the material is excavated through to its subsequent implementation and in certain cases during its whole service life. Changes in the particle size occur due to the structural resistance of the rock being unable to support the mechanical stress to which it is subjected during its implementation and use.

## 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 16907-2, *Earthworks - Part 2: Classification of materials*

EN 13286-2, *Unbound and hydraulically bound mixtures - Part 2: Test methods for laboratory reference density and water content - Proctor compaction*

EN ISO 17892-4, *Geotechnical investigation and testing - Laboratory testing of soil - Part 4: Determination of particle size distribution (ISO 17892-4)*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

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