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**PD CEN/TR 17024:2017**



**BSI Standards Publication**

# **Natural stones — Guidance for use of natural stones**

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The UK participation in its preparation was entrusted to Technical Committee B/545, Natural stone.

A list of organizations represented on this committee can be obtained on request to its secretary.

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## TECHNISCHER BERICHT

January 2017

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English Version

# Natural stones - Guidance for use of natural stones

Pierres naturelles - Guide d'emploi des pierres  
naturelles

Naturstein - Leitfaden für die Anwendung von  
Natursteinen

This Technical Report was approved by CEN on 13 September 2016. It has been drawn up by the Technical Committee CEN/TC 246.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## **European foreword**

This document (CEN/TR 17024:2017) has been prepared by Technical Committee CEN/TC 246 "Natural stones", the secretariat of which is held by UNI.

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.

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## **Introduction**

Product standards for natural stone are issued by the European committee for standardization and deal with stone masonry, tiles and slabs for cladding, flooring and stairs.

Producers in countries outside the European Union might not be familiar with these product standards. Therefore, the scope of this document is to inform and assist the user in order to provide recommendations for the proper use of natural stone and the requirements of the product standards regulating their being placed on the market within the countries comprising the European Union.

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## 1 Scope

This Technical Report applies to natural stone products intended for masonry elements, wall coverings (including tiles), internal floor and stair finishes (including tiles) and exterior floor and stair finishes (including paving), as well as massive stone elements.

It provides guidance for the application and use of natural stone products in accordance with European product standards.

This Technical Report does not deal with coatings or staining problems, and does not take into account treatments that could modify the performance characteristics of the materials.

This Technical Report does not apply to agglomerated stones and aggregates.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 771-6, *Specification for masonry units — Part 6: Natural stone masonry units*

EN 772-1, *Test methods for masonry units — Part 1: Determination of compressive strength*

EN 772-11, *Methods of test for masonry units - Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units*

EN 1341, *Slabs of natural stone for external paving - Requirements and test methods*

EN 1342, *Setts of natural stone for external paving - Requirements and test methods*

EN 1343, *Kerbs of natural stone for external paving - Requirements and test methods*

EN 1467, *Natural stone - Rough blocks - Requirements*

EN 1468, *Natural stone - Rough slabs - Requirements*

EN 1469, *Natural stone products - Slabs for cladding - Requirements*

EN 1925, *Natural stone test methods - Determination of water absorption coefficient by capillarity*

EN 1926, *Natural stone test methods - Determination of uniaxial compressive strength*

EN 1936, *Natural stone test methods - Determination of real density and apparent density, and of total and open porosity*

EN 12057, *Natural stone products - Modular tiles - Requirements*

EN 12058, *Natural stone products - Slabs for floors and stairs - Requirements*

EN 12059, *Natural stone — Finished products, dimensional stone work Requirements*

EN 12371, *Natural stone test methods - Determination of frost resistance*

EN 12372, *Natural stone test methods - Determination of flexural strength under concentrated load*