

**Refractory test piece preparation - Gunning
refractory panels by the pneumatic-nozzle
mixing type guns**

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type guns

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

<p>Käesolev Eesti standard EVS-EN ISO 20182:2008 sisaldab Euroopa standardi EN ISO 20182:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 27.02.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.01.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 20182:2008 consists of the English text of the European standard EN ISO 20182:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 27.02.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 15.01.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

Refractory test-piece preparation - Gunning refractory panels by
the pneumatic-nozzle mixing type guns (ISO 20182:2008)

Préparation d'éprouvettes réfractaires - Panneaux
réfractaires pour gunitage au pistolet mélangeur
pneumatique (ISO 20182:2008)

Probenvorbereitung feuerfester Erzeugnisse -
Probenvorbereitung feuerfester Spritzmassen mittels
pneumatischer Spritzmaschinen (ISO 20182:2008)

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 20182:2008) has been prepared by Technical Committee ISO/TC 33 "Refractories" in collaboration with Technical Committee CEN/TC 187 "Refractory products and materials", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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Endorsement notice

The text of ISO 20182:2008 has been approved by CEN as a EN ISO 20182:2008 without any modification.

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WARNING — This International Standard may involve the use of hazardous materials, operations and equipment. It does not attempt to address the safety problems associated with its use. It is the responsibility of the user of this International Standard to establish appropriate safety and health practices, and to determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard describes the procedure for the preparation of test panels from refractory materials by gunning through pneumatic-nozzle mixing type guns at ambient temperatures.

NOTE The values obtained from test pieces cut from the panel prepared using this method might not correspond with those obtained from test pieces of the same material prepared at a gunning installation site.

This International Standard does not apply to plastic gunning mixes, and might not apply to those mixes that contain aggregates that are susceptible to hydration.

It also does not apply to shotcrete type mixes.

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.

ISO 836, *Refractories — Vocabulary*

ISO 8656-1, *Refractory products — Sampling of raw materials and unshaped products — Part 1: Sampling scheme*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 836 and the following apply.

3.1

gun

assembly essentially comprising a chamber into which the refractory is added, together with a mechanism that controls the flow of the material through the unit

NOTE Depending on the type used, the gun may be open at the top, or a closed pressurized unit may be used.

3.2

rebound material

material that fails to adhere to the surface when being sprayed, and ricochets out of the immediate area