

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17672-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 31.01.2020

Date of issue: 31.01.2020

Holder of certificate:

**DIFK Deutsches Institut für Feuerfest und Keramik GmbH
Rheinstraße 58, 56203 Höhr-Grenzhausen**

Tests in the fields:

Mechanical-technological investigations and selected chemical and mineralogical investigations of ceramic materials and products

Within the scope of accreditation marked with *), the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

1 Mechanical-technological investigations *

ISO 5017 2013-01	Dense shaped refractory products - Determination of bulk density, apparent porosity and true porosity
ISO 5018 1983-10	Refractory materials - Determination of true density
DIN EN 993-1 2019-03	Methods of test for dense shaped refractory products - Part 1: Determination of bulk density, apparent porosity and true porosity

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

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DIN EN 993-2 1995-04	Methods of test for dense shaped refractory products - Part 2: Determination of true density
DIN EN 993-5 2019-03	Methods of test for dense shaped refractory products - Part 5: Determination of cold crushing strength
DIN EN ISO 8895 2006-09	Shaped insulating refractory products - Determination of cold crushing strength
DIN EN ISO 1927-6 2013-04	Monolithic (unshaped) refractory products - Part 6: Measurement of physical properties <i>Section 4: Determination of density and porosity</i> <i>Section 6: Determination of cold crushing strength</i>

2 Chemical and mineralogical investigations

2.1. Standard procedures *

DIN EN ISO 12677 2013-02	Chemical analysis of refractory products by X-ray fluorescence (XRF) - Fused cast-bead method
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2.1. House procedures

DIFK 0031 2018-10	Mineralogical testing - Determination of mineral content by X-ray dif- fraction
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Abbreviations used:

DIFK-xxxx	In-house procedures of the DIFK Deutsches Institut für Feuerfest und Keramik GmbH
DIN	Deutsches Institut für Normung e.V. (German Standards Institute)
EN	Europäische Norm (European standard)
ISO	International Organization for Standardization

-Translation-

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