

LGA tested *Quality* Certificate

No. 231766

LGA Bautechnik GmbH, Tillystraße 2, 90431 Nuremberg

The testing, monitoring and certification body for construction products issues this certificate under the conditions described overleaf and specified in the monitoring and certification contract and after initial testing of the construction products and after initial monitoring of the manufacturing plant for the construction products specified overleaf.

HART Hafner-Schamotte

as stones and slabs
(For details see page 2)

Placed on market by

Hart Keramik AG
Anton-Hart-Str. 1
95652 Waldsassen
GERMANY

and produced at the factory

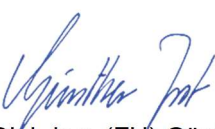
Hart Keramik AG
Am Bergwerk 12
95706 Schirnding
GERMANY

This certificate authorizes the
use of the
LGA tested *quality* logos



This LGA tested *quality* certificate is valid as long as external monitoring is carried out regularly, at the latest until February 8, 2028, unless suspended or withdrawn by the certification body.

Nuremberg, 2023-02-08


Dipl.-Ing. (FH) Günther Jost
Head of Certification Body

LGA Bautechnik GmbH
Tillystraße 2 • 90431 Nürnberg
Akkreditierte Zertifizierungsstelle



Certificate holder
(Producer)

Hart Keramik AG
Anton-Hart-Str. 1
95652 Waldsassen

Factory

Hart Keramik AG
Am Bergwerk 12
95706 Schirnding

Construction products

HART Hafner-Schamotte as stones and slabs

- | | |
|--|---|
| ▪ Bulk density determination according to DIN EN 993-1 | 1,75 kg/dm ³ ± 0,1kg/dm ² |
| ▪ Water absorption based on DIN EN 1457-1 | 15 % ± 3 % |
| ▪ Compressive strength according to DIN EN 993-5 | ≥ 25 N/mm ² |
| ▪ Porosity according to DIN EN 993-1 | 28 % ± 3 % |

- Tested according to the technical rule

DIN EN 993-1:2019-03

Test method for dense shaped refractory products Part 1: Determination of bulk density, open porosity and total porosity

DIN EN 993-5: 2019-03

Test method for densely formed refractory products Part 5: Determination of cold compressive strength

DIN EN 1457-1: 2012-04

Exhaust systems - Ceramic inner pipes - Part 1: Inner pipes for dry operation - Requirements and test

- Monitored according to DIN 18200:2021-04

LGA Bautechnik GmbH confirms that

1. it has carried out an initial test of the construction products and the results meet the requirements,
2. the manufacturer carries out factory production control in the manufacturing plants to ensure compliance with the requirements for the production of construction products,
3. it regularly monitors production, the factory production control, and the legal use of symbols and regularly carries out product tests,
4. it has concluded a monitoring and certification contract with the manufacturer.

