

HEGGEL® UltraBrick

Acid-Resistant Bricks

You Build, We Protect!

| Chemical Composition | |
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| Al₂O₃ | 26 % |
| SiO₂ | 69 % |
| Fe₂O₃ | 1.4 % |
| Na₂O + K₂O | 3.4 % |
| TiO₂ | 0.7 % |

| Physical Characteristics | Value | Unit |
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| Bulk density <small>ASTM C20</small> | 2.16 | g/cm³ |
| Water absorption <small>ASTM C20</small> | 6 | % |
| Apparent porosity <small>ASTM C20</small> | 13 | % |
| Cold crushing strength <small>DIN 51067</small> | 80 | N/mm² |
| Bending strength <small>EN 993-15</small> | 13 | N/mm² |
| Fire resistance <small>EN 993-12</small> | 17 | CS; SC; CS |
| Thermal shock resistance (450°C) <small>DIN 51068</small> | > 17 | Cycles |
| Thermal expansion (1000°C) <small>EN 993-19</small> | 0.4 | % |
| Acid solubility <small>EN 993-16</small> | < 1.5 | % |
| Thermal conductivity <small>EN 993-15</small> | 1.12 (400°C) 1.44 (600°C) | W/m.K W/m.K |
| Dimensional tolerance <small>DIN 1057-2</small> | ≤ 133: ± 2 > 133: ± 1.5% | mm mm |
| Heat resistance under stress <small>EN 993-8</small> | 1270 | °C |

| Main Application |
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HEGGEL UltraBrick can be used for floors and equipment in various industries, including chemical and petrochemical plants, steel / copper plants, power plants, fertilizer plants, pharmaceuticals, pulp / paper plants, etc.

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| <p>HEGGEL UltraBrick; Revision No: 2.10 / Last Revision Date: 18.09.2023</p> <p>All information contained herein is based on the current state of our knowledge and practical experience at the time of release. Therefore, please make sure that this is the latest edition of the Technical Data Sheet. All data are only intended as a guideline for informational purposes and do not constitute a legally-binding warranty of the suitability for a certain purpose of use, due to its dependence on site conditions and possible processing, use and applications. All information contained in this technical datasheet is subject to change without notice.</p> | <p>HEGGEL GmbH Huttropstr. 60 45138 Essen Germany Tel: +49 201 17003 270 Fax: +49 201 17003 277 E-Mail: info@heggel.de Web: www.heggel.de</p> |
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