

# Product Data Sheet



asu

## U-Facing bricks category I

| Designation/Characteristics                   | Declaration/Measured Values                            | Requirements Standard                                |          |
|-----------------------------------------------|--------------------------------------------------------|------------------------------------------------------|----------|
| <b>Intended purpose</b>                       | For exposed masonry in a highly corrosive environment. | EN 771-1                                             |          |
| <b>Manufacturer's designation</b>             |                                                        |                                                      |          |
| Name                                          | galena geo ferrum liso                                 |                                                      |          |
| Item number                                   | K508WDF                                                |                                                      |          |
| Product line                                  | galena                                                 |                                                      |          |
| Colour group                                  | brown                                                  |                                                      |          |
| Size L x W x H / mm                           | 215 x 102 x 65                                         |                                                      |          |
| Declaration                                   | U facing brick Tm Rm D2 F2                             | EN 771-1                                             |          |
| <b>Water absorption [mass-%]</b>              | fulfilled                                              | ≤ 6                                                  | EN 771-1 |
| <b>Durability/<br/>Frost resistance</b>       | fulfilled                                              | EN 771-1<br>100 freeze-thaw-cycles without variation |          |
| <b>Durability Class</b>                       | F2                                                     |                                                      |          |
| <b>Reaction to fire, Euro class</b>           | A1                                                     | EN 771-1                                             |          |
| <b>Work size</b>                              |                                                        | EN 771-1                                             |          |
| Length / mm                                   | 215                                                    |                                                      |          |
| Width / mm                                    | 103                                                    |                                                      |          |
| Height / mm                                   | 65                                                     |                                                      |          |
| <b>Limit deviations</b>                       |                                                        | EN 771-1                                             |          |
| Mean value class                              | Tm                                                     |                                                      |          |
| Length / mm                                   | fulfilled                                              | -9, + 4                                              |          |
| Width / mm                                    | fulfilled                                              | ± 5                                                  |          |
| Height / mm                                   | fulfilled                                              | ± 3                                                  |          |
| Dimensional range class                       | Rm                                                     |                                                      |          |
| Length / mm                                   | fulfilled                                              | 9                                                    |          |
| Width / mm                                    | fulfilled                                              | 5                                                    |          |
| Height / mm                                   | fulfilled                                              | 4                                                    |          |
| <b>Shape</b>                                  | c)                                                     | EN 771-1                                             |          |
| <b>Compressive strength</b>                   |                                                        |                                                      |          |
| Compressive strength, Category                | I                                                      | EN 771-1                                             |          |
| Mean value [N/mm <sup>2</sup> ]               | fulfilled                                              | ≥ 44                                                 |          |
| Stress direction                              | perpendicular to bed joint                             |                                                      |          |
| <b>Content of active soluble salts, class</b> | S2/S3                                                  | EN 771-1/<br>DIN 20000-401                           |          |

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|---------------------------------------------|--------------------------------------|-----------------------|
| <b>Water vapour permeability</b>            | 50/100 $\mu$                         | EN 1745:2012          |
| <b>Compound strength [N/mm<sup>2</sup>]</b> | NPD                                  | EN 998-2              |
| <b>Gross dry density</b>                    |                                      |                       |
| Mean value / kg/m <sup>3</sup>              | 1510                                 | EN 771-1              |
| Deviation class                             | D2                                   |                       |
| Form, shape, dimensions, limit deviations   | see above                            |                       |
| <b>Net dry density</b>                      |                                      |                       |
| Mean value / kg/m <sup>3</sup>              | 2350                                 | EN 771-1              |
| Deviation class                             | D2                                   |                       |
| <b>Hazardous substances</b>                 | according to annex ZA 3              | EN 771-1              |
| <b>Thermal conductivity [W/(m · K)]</b>     | NPD                                  | EN 1745               |
| <b>Type of brick</b>                        | vertically perforated clinker B      | DIN 20000-401 /       |
| <b>Compressive strength class</b>           | 28                                   | DIN 105-100           |
| <b>Raw density class</b>                    | 1,6                                  |                       |
| <b>Short description</b>                    | kHLzB 28 - 1,6 - 215 x 102,5 x 65 mm |                       |

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