

Staffordshire Blue Brick Specification

Standard: BS EN 771-1: 2011

Ketley Staffordshire Blue Bricks are produced at our works located in the heart of the Black Country. Ketley Bricks have been made from our own Etruria Marl since Victorian times. They are recognised as a Class A engineering brick of high quality with a strong aesthetic appeal.

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|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type: | Engineering Brick Class A Solid | Engineering Brick Class A Perforated |
| Colour: | Staffordshire Blue | Staffordshire Blue |
| Structure: | Solid | Perforated ≤ 25% void with a mean of 19% |
| Texture: | Smooth Engineering Facing | Smooth Engineering Facing |
| Manufacture: | Extruded, wirecut | Extruded, wirecut |
| Dimensions: | 215 x 102.5 x 65mm | 215 x 102.5 x 65mm |
| | 215 x 102.5 x 73mm | 215 x 102.5 x 73mm |
| | Complies with dimensions and tolerances of BS EN 771-1: 2011 | Complies with dimensions and tolerances of BS EN 771-1: 2011 |
| Weight 65mm: | 3.3kgs per brick 3.3 Tonnes per 1,000 | 2.75kgs per brick 2.75 Tonnes per 1,000 |
| Weight 73mm: | 3.8kgs per brick 3.8 Tonnes per 1,000 | 3kgs per brick 3 Tonnes per 1,000 |
| No. per m ² 65 mm (10mm joints): | 60 | 60 |
| No. per m ² 73 mm (10mm joints): | 53 | 53 |
| Pack Size: | 400 | 400 |
| Packing: | Banded for fork lift off-loading. | Banded for fork lift off-loading. |
| Weight per pack 65mm: | 1320kg | 1100kg |
| Weight per pack 73mm: | 1520kg | 1200kg |
| Special Bricks | A complete range of Special Shapes to BS 4729 2005 is available. We also undertake the manufacture of 'non-standard' specials to customers' specification as required. | A complete range of Special Shapes to BS 4729 2005 is available. We also undertake the manufacture of 'non-standard' specials to customers' specification as required. (Note: some specials are only manufactured solid). |

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|-----------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Compressive strength: | $\geq 125\text{N/mm}^2$ | $\geq 125\text{N/mm}^2$ |
| Category: | II | II |
| Masonry Unit Group: | HD | HD |
| Engineering Grade: | A | A |
| Water absorption: | $\leq 4.5\%$ | $\leq 4.5\%$ |
| Initial Rate of Water absorption: | $\leq 1.5\text{Kg/m}^2/\text{min}$ | $\leq 1.5\text{Kg/m}^2/\text{min}$ |
| Thermal Conductivity: | On Application | On Application |
| Bond Strength: | 0.15N/mm^2 (For general purpose and lightweight mortar) | 0.15N/mm^2 (For general purpose and lightweight mortar) |
| Net Dry Density: | 2200 Kg/m^3 (Typically) | 2200 Kg/m^3 (Typically) |
| Density Tolerance: | D1 | D1 |
| Soluble salt content: | S2 | S2 |
| Durability: | F2 | F2 |
| Fire Reaction: | A1 | A1 |
| Dimensional Tolerance Mean: | T2 | T2 |
| Dimensional Tolerance Range: | R1 | R1 |