# PRODUCT SPECIFICATION

## Information correct as at 29 July 2026

### Description

| | |
|---|---|
| Product Name | **Engineering B (Che)** |
| Product Code | **A2950A** |
| Quality | **Best** **CLAY FACING BRICK** |
| Manufacturing Unit | **Chesterton Factory** |
| Type | **Wirecut Extruded** |
| Configuration | **Vertically Perforated** |
| Voids | **25-30 %** |

### Specification

(In accordance with BS EN771-1:2011/A1:2015)

| | |
|---|---|
| Masonry Unit Group | **HD units Group 2 Structural** |
| Category | **BS EN771-1:2011/A1:2015 Cat I** |
| Dimensions | **215x102x65 mm** |
| Tolerance - Mean | **T2** **+/-L4W3H2** |
| Tolerance - Range | **R1** **L9W6H5** |
| Bed Surface Mean Compressive Strength | **>=75.0 N / mm $^2$** |

### Additional Data

| | |
|---|---|
| Gross Density | **1640 kg / m $^3$** |
| Nett Density | **2270 kg / m $^3$** |
| Density Tolerance | **D1** |
| Durability | **F2~** **Severe Exposure** |
| Active Soluble Salts | **S2** |
| Water Absorption | **<=7** % by weight |
| Initial rate of water absorption - Suction Rate | **0.2** **kg / m $^2$ / min** |
| Fire Reaction | **Euroclass A1** |
| Water Vapour Diffusion Coefficient (Water Vapour Permeability) | **50/100** mu |
| Bond Strength - Fixed Value Stated as Initial Shear Strength | **0.15 N/mm $^2$** |

***Test results derived under BS EN 771-1 must be used in conjuction with BS EN1996, PD6697***

### Thermal Properties

(Tabulated - CIBSE Guide A 1999/BSEN 1745)

| | |
|---|---|
| Thermal Conductivity 'K' (at 5% moisture content - exposed) | **1.16 W / m K** |
| Thermal Resistance 'R' (at 5% moisture content - exposed) | **0.09 m $^2$ K/W** |

### Handling Information

| | |
|---|---|
| Dry Weight per brick | **2.2 kg** |
| Average weight of brickwork (1/2 brick wall including mortar joints) | **210.0 kg / m $^2$** |
| Coverage | **Approximately 60.0 bricks per m $^2$** |
| Quantity per pack | **500** |
| Pack Size (WxDxH) | **845x860x1020 mm** |
| Weight per pack (dry) | **1100 kg approximately** |

### Application

| | |
|---|---|
| Suitability | To be used in accordance with BS EN1996, PD6697 and our own recommendations |
| Mortar Joint Profile | From a durability point of view, this product is suitable for all common joint profiles |
| Movement Joints | Movement joints should be incorporated in accordance with BS EN1996, PD6697 and our own recommendations |

### Special Shapes

Special shapes are not available

### Quality Assurance

Frost Resistance: This product is guaranteed for 60 years in buildings or 20 years in boundary walls. Excludes paving, steps & ramps.

All applications should be designed and constructed in accordance with the guidance contained within BS EN1996, PD6697 and with our own recommendations.

Failure to comply will invalidate all warranties implied.

### Workmanship

Colour: Mixing from a minimum of three packs on site will ensure a balanced blend of all the colours formed in the manufacturing process