

# PRODUCT SPECIFICATION

Information correct as at 10 January 2025

## Description

|                    |                       |                   |
|--------------------|-----------------------|-------------------|
| Product Name       | Himley Mixed Russet   |                   |
| Product Code       | A0335A                |                   |
| Quality            | Best                  | CLAY FACING BRICK |
| Manufacturing Unit | Atlas Factory         |                   |
| Type               | Wirecut Extruded      |                   |
| Configuration      | Vertically Perforated |                   |
| Voids              | 28-32                 | %                 |

## 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 | >=25.0 N / mm <sup>2</sup>    |           |

## Additional Data

|                                                                |                        |                     |
|----------------------------------------------------------------|------------------------|---------------------|
| Gross Density                                                  | 1660                   | kg / m <sup>3</sup> |
| Nett Density                                                   | 2270                   | kg / m <sup>3</sup> |
| Density Tolerance                                              | D1                     |                     |
| Durability                                                     | F2~                    | Severe Exposure     |
| Active Soluble Salts                                           | S2                     |                     |
| Water Absorption                                               | <=9 % by weight        |                     |
| Initial rate of water absorption - Section Rate                | 0.3                    | kg / m / 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 <sup>2</sup> |                     |

## Thermal Properties

(Tabulated - CIBSE Guide A 1999/BSEN 1745)

|                                                                |      |                    |
|----------------------------------------------------------------|------|--------------------|
| Thermal Conductivity 'K'<br>(at 5% moisture content - exposed) | 1.16 | W / m K            |
| Thermal Resistance 'R'<br>(at 5% moisture content - exposed)   | 0.09 | m <sup>2</sup> K/W |

## Handling Information

|                                                                         |                                              |                     |
|-------------------------------------------------------------------------|----------------------------------------------|---------------------|
| Dry Weight per brick                                                    | 2.2                                          | kg                  |
| Average weight of brickwork<br>(1/2 brick wall including mortar joints) | 204.0                                        | kg / m <sup>2</sup> |
| Coverage                                                                | Approximately 60.0 bricks per m <sup>2</sup> |                     |
| Quantity per pack                                                       | 552                                          |                     |
| Pack Size (WxDxH)                                                       | 850x870x825 mm                               |                     |
| Weight per pack (dry)                                                   | 1214 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 only available by the cut and bonding method                                         |

## 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 |
|--------|----------------------------------------------------------------------------------------------------------------------------------|

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