

### Masonry Specification - An Introduction

To assist in compiling a specification for Lignacite's masonry products, the following tools are available.

#### NBS Plus

Product information from the NBS Plus library of product clauses is available in NBS specification products. It has been created by NBS for Lignacite Ltd. The clause is authored in NBS format and is intended for inclusion in project specifications. The clause can be copied and pasted into your project specification document. To find out more about producing specifications for building projects visit [www.theNBS.com/solutions](http://www.theNBS.com/solutions).



#### Lignacite's Specification Builder

Available on our web site [www.lignacite.co.uk](http://www.lignacite.co.uk), the Specification Builder provides product specification clauses for our entire product range. These are available in PDF and word format, the latter allowing you to modify the clause to suit a particular application. The Specification Builder can be accessed on our web site via the *Technical Centre* tab.

#### Typical Specification Clauses

Normally, the use of concrete blocks can be categorised by the following descriptions:

- **Common block** – Not intended to be seen i.e. plastered, rendered, dry lined or concealed
- **Paint-Grade block** – To be built fair to receive a paint finish
- **Facing block** – to be built and left fair, with a high degree of colour and texture consistency (all facing work requires a sample panel to be built and approved prior to commencement of work).

The following are typical specification clauses taken from the Specification Builder. They cover typical specifications for products used in common, paint-grade and facing blockwork applications. They can be easily adapted to suit other sizes of products, or alternative products from Lignacite's range.

### Common blockwork specification

#### Masonry Specifications:

The concrete blocks to.. [state location] ... shall be **Ashlite** medium density blocks manufactured by Lignacite Ltd (tel 01842 810678) or other equal approved, in accordance with BS EN 771-3, built to a standard suitable to receive plaster / dry lining.

Configuration: **Group 1, solid units**

Compressive strength:

- **Mean value 3.6 N/mm<sup>2</sup>**
- **Category 1 units**

Average dry density: **1450 kg/m<sup>3</sup>**

Work sizes (length x width x height): **440 x 100 x 215 mm**

Tolerance category: **D1**

Colour/Finish: **N/A**

Thermal Resistance: **0.212 m<sup>2</sup> K/W**

Mortar mix: **Class M4**

Mortar colour: **N/A**

Joint profile: **Flush or shallow bucket handle**

Bond: **Half lap stretcher**

Sound Insulation: **42 Rw,dB**

Fire Resistance (loadbearing): **2 Hrs**



Building - Norwich Housing Project

# Masonry Specification

## Paint-Grade blockwork specification

### Masonry Specifications:

The concrete blocks to... [state internal location]... shall be **Lignacite Paint-Grade** manufactured by Lignacite Ltd (tel 01842 810678) or other equal approved, in accordance with BS EN 771-3, built to a standard suitable for direct decoration.

Configuration: **Group 1, solid units**

Compressive strength:

- Mean value 7.3 N/mm<sup>2</sup>
- Category 1 units

Average dry density: 1570 kg/m<sup>3</sup>

Work sizes (length x width x height): 440 x 100 x 215 mm

Tolerance category: D1

Colour/Finish: **Paint Grade**

Thermal Resistance: 0.111 m<sup>2</sup> K/W

Mortar mix: **Class M4**

Mortar colour: **N/A**

Joint profile: (Bucket handle, flush, struck or weathered, recessed)

Bond: **Half lap stretcher**

Sound Insulation: **46 Rw,dB**

Fire Resistance (loadbearing): **2 Hrs**



## Facing blockwork specification

### Masonry Specifications:

The concrete facing blocks to... [state location]... shall be **Lignacite Roman Brick** manufactured by Lignacite Ltd (tel 01842 810678) or other equal approved, in accordance with BS EN 771-3, built fair-face.

Configuration: **Group 1, solid units**

Compressive strength:

- Mean value 17.5 N/mm<sup>2</sup>
- Category 1 units

Average dry density: 2100 kg/m<sup>3</sup>

Work sizes (length x width x height): 440 x 100 x 65 mm (Roman Brick)

Tolerance category: D1

Colour/Finish: **Snowstorm / Planished**

Thermal Resistance: 0.111 m<sup>2</sup> K/W

Mortar mix: **Class M4**

Mortar colour: **TBA**

Joint profile: (Bucket handle, flush, struck or weathered, recessed)

Bond: **Half lap stretcher**

Fire Resistance (loadbearing): **2 Hrs**

