



# LAIRD BROS (FORFAR) LTD

## **PUMMALITE**

### **LIGHTWEIGHT AGGREGATE CONCRETE**

### **BLOCK**

As Scotland's largest block manufacturer we offer the complete range of products, so to satisfy the various needs of the specifier/contractor, we introduce Pummalite our new range of lightweight blocks. Pummalite products are CE marked to BSI third party assessment and comply fully to BS EN 771-3: aggregate concrete masonry units. We constantly monitor the quality of our products at our onsite laboratory, to ensure our customers receive consistent quality products with every delivery.

**Standard Medium Dense** light grey in colour with an open texture made to render for general purpose.

**Paint Grade Medium Dense** light grey in colour with a smooth closed texture suitable for secondary finishes i.e. painting

#### **PRODUCT BACKGROUND**

Pummalite blocks are manufactured with pumice aggregate. Solidification of foamed magma provides the aggregate with superior insulating properties and durability with low density. As the pumice exploded in a volcanic eruption it is exceptionally resistant to expansion, dry shrinkage and heat, giving Laird Pummalite blocks distinct construction qualities.

**GREEN** 35% recycled aggregate content, plus application of cement replacements reducing CO2.

#### **DIMENSIONS (MM)-**

**440 X 100 X 215 & 440 X 140 X 215**

#### **APPLICATION**

Pummalite blocks are offered as an alternative where block weight is an issue (**all Pummalite blocks <20kg**) and where thermal values require the use of medium dense blocks, often on the internal skin of cavity walls. Where this is not the case we advise Lunacrete Dense blocks as they are cheaper and their higher density provides greater sound insulation, thereby maintaining better comfort standards.

## **PRODUCT SPECIFICATIONS**

**LAIRD PUMMALITE BLOCK TO BS EN 771-3:2006 (CATEGORY I)**

<b>DIMENSIONAL TOLERANCE</b>	<b>CATEGORY D1</b>
<b>MEAN UNIT STRENGTH (SOLID)</b>	<b>7.3 N/mm<sup>2</sup></b>
<b>NET DRY DENSITY</b>	<b>1400 KG/M<sup>3</sup></b>
<b>GROSS DRY DENSITY</b>	<b>1400 KG/M<sup>3</sup></b>
<b>MOISTURE MOVEMENT COEFFICIENT</b>	<b>&lt; 0.8 mm/m</b>
<b>THERMAL CONDUCTIVITY</b>	<b>PROTECTED 0.51 W/mk @ 3% MC EXPOSED 0.57 W/mK @ 5% MC</b>
<b>REACTION TO FIRE</b>	<b>CLASS A1</b>
<b>BOND STRENGTH</b>	<b>0.15N/mm<sup>2</sup> FIXED VALUE</b>
<b>DURABILITY</b>	<b>FROST RESISTENT</b>

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