

TECHNICAL INFORMATION

Standards:-

Our walling is manufactured to BS 6457:1984

Cement Efflorescence:

As with all reconstructed stone and cement-based products, the temporary phenomenon known as efflorescence is likely to occur. This causes a lightening of the colour and is in no way detrimental to the product. This effect reduces over a period of time with natural weathering.

Manufacturing Tolerances:

Dimensional tolerances permitted by BS 6457: 1984 are:-

Dimension	Tolerance (mm)
Length	-5mm to 3mm
Height	-5mm to 3mm
Bed Width*	-4mm to 2mm

***NB: there is no British Standard tolerance of bed width for Pitched & Traditional Hand Dressed products.**

Technical data

Mean Compressive Strength (typical)	26N/mm ²
Mean Density	2180Kg/m ³
Mean Water absorption	6%
Drying Shrinkage	<0.06%
Thermal Conductivity 'K'	1.40 W/m °C - exposed 1.28 W/m °C - protected
Thermal Resistance 'R'	0.071 m ² °C/W - exposed 0.078 m ² °C/W - protected

Installation Guidelines:

Movement Joints - Vertical movement joints every 6 metres in long lengths of walling.

Mortar Recommendations - The recommended grades of mortar are:

MORTAR PROPORTIONS BY VOLUME			
Conditions:	Masonry Cement: Sand	Plasticised Cement: Sand	Cement: Lime: Sand
Severe Exposure	1:4 ^{1/2}	1:5-6	1:1:6
Moderate Exposure	1:6	1:7-8	1:2:9

Resistance to Rain Penetration:

On all facing masonry in heavy driving rain, external skins of cavity walls can allow water penetration through the mortar joints. To avoid this, normal 'good building practice' should be observed.