



TECHNICAL ADVICE

H & E Smith supply a wide variety of bespoke tiles for their clients, which can be produced to satisfy individual customer requirements such as colour matching, special sizes and unusual shapes. Please contact us for a quotation.

PRODUCT DESCRIPTION

Glazed dry pressed ceramic wall tile 153 x 153 x 9 mm, on white biscuit, conforming to EN 14411 BIII with a water absorption >10%, manufactured by a double fired system.

If tiles are to be used outside or in a shower location it is recommended that they are treated with a silicon sealant at the time of manufacture, (this service can be carried out at an extra charge), and failure to do so may result in discolouration. We cannot guarantee against frost damages.

FIXING

Avoid using sand and cement. Any well known brand of adhesive such as Ardex or similar is preferred.

GROUTING

Some coloured grouts can cause unavoidable stains on certain glazed surfaces. Therefore, tests should be made on a spare tile before using any coloured grout, to establish whether it is liable to stain, in which case a surface sealer is necessary to prevent such staining.

CRAZING & SHADING

Victorian tiles are reproduced using similar materials and methods to the original item, and a degree of shade variation is inherent and desirable. We recommend that before fixing it is essential to lay them out in good light, to ensure an acceptable blend of colour and size. Glazed tile may craze with time; therefore in this respect no guarantees can be given.

In certain conditions Victorian glazes with high oxide content can sometimes develop a metallic sheen or stain after contact with certain liquids including prolonged water contact, detergents, acids or alkalis and some cleaning products. Victorian colours should not be used in areas where contact with such substances may occur.

Tiles should be washed using either clean water or pH neutral detergent. Dry off and polish with a cloth.

Property	ISO-Test	Standard EN 14411 BIII	H & E Smith Standard
Length and width	10545-2	+/- 0.5%	+/- 0.4%
Thickness	10545-2	+/- 0.6% mm	+/- 0.4% mm
Straightness of sides	10545-2	+/- 0.3%	+/- 0.2%
Warp age	10545-2	+/- 0.5%	+/- 0.4%
Water absorption	10545-3	> 10%	19%
Bending strength	10545-4	15 N/mm <sup>2</sup>	24 N/mm <sup>2</sup>
Coefficient of expansion	10545-8	9 x 10 <sup>-6</sup> [K-1]	7.5 x 10 <sup>-6</sup> [K-1]
Thermal shock resistance	10545-9	Required	Resistant
Frost resistance	10545-12	Not required	Not resistant

