

## DETAILS OF EXTERNAL MATERIALS

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### ROOF STRUCTURE

Our roof system incorporates a high performance, double glazed system supported by very fine glazing rafters. The glass rests on structural aluminium glazing rafters and immensely strong integral frame produced in our welding department.

Externally an aluminium glaze bar cap with attractive mouldings, secures the glass in position. This cap is powdercoated ensuring the longevity and low maintenance of the roof.

The roof glass is 6mm float, 16mm Argon filled cavity and a 6.4mm laminate, with a soft coat Low E glass internal coating. It offers superb thermal efficiency and will remain intact in the unlikely event of damage from falling tiles etc. The laminate layer also provides a high UV protection.

### SIDE STRUCTURE

Main frames, doors and windows are manufactured in a combination of painted Grade 1 Douglas Fir, Sapele and other timbers where appropriate all on hardwood cills. Side frames, doors and panels receive Protim pressure treatment, where appropriate, for long life and protection against rot and fungal attack. All timberwork is traditional mortice and tenon jointed and enhanced with decorative moulded edges and profiles. The flank wall of the garden room, facing Perrin's Lane, will be constructed from materials to match the existing boundary wall.

The garden room incorporates one set of double doors. All door thresholds are fitted with a unique Architectural Bronze water-bar sitting on a large hardwood sill, stained in Walnut.

Side units are double glazed with an inner leaf of 4mm soft coat Low E glass, with an Argon filled cavity of 12mm, and an outer leaf of 4mm. All side glazing is a combination of standard float, with toughened units where required by Building Regulations.