

63 Solent Road – Volume calculations

Kitchen extension @ ground floor

$$(13.7 - 2.7) \text{ plan area} \times 2.4 \text{ median height} = 26.4 \text{ m}^3$$

Dormer of loft conversion @ second floor

$$(3.7 \times 2.5 \times \frac{1}{2}) \text{ cross sectional area} \times 4.9 \text{ width} = 22.7 \text{ m}^3$$

$$\text{Total volume of new extensions:} \quad \quad \quad \mathbf{49.1 \text{ m}^3}$$