Loft Conversion Volume Calculation

Address : 49 Orchard Avenue, Worthing
Date : 13th December 2024

A	width of roof / house	**9.39**	m
B	height of roof	**3.64**	m
C	length of new ridge	**4.67**	m

Volume of hip to gable roof extension

Volume of the triangular prism (width A x height B x length C / 6)

9m x 3.6m x 4.6m / 6 = **26.60** cu. m

Volume of dormer (length D x height E x depth F / 2)

D	length of dormer	=	**5.60**	m
E	height of dormer	=	**2.40**	m
F	depth of dormer	=	**3.27**	m

5.6m x 2.5m x 3.38m /2 = **21.97** cu.m

TOTAL VOLUME OF LOFT CONVERSION

Volume of hip to gable roof + Volume of dormer = **48.58** cu.m

Permitted Development Notes:

Detached and Semi Detached *50 cu. m* *max.*
Terraced *40 cu. m* *max.*
Dormer to be set back 200mm from eaves
All materials to match
No part to exceed ridge height
Side windows to have obscure glazing and fixed up to 1.7m above floor level
No roof extensions to the front of the dwelling