

# *Design of roof to be asphalted*

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## General

The design of flat roofs intended to be covered by mastic asphalt waterproofing should conform to the recommendations of BS 6229:2018 Flat Roofs with Continuously Supported Flexible Waterproof Coverings, with reference to the Building Regulations where applicable.

## Selection parameters

It is important that consideration is given at an early stage to the following:

- a. The type of roof construction to be employed
- b. How anticipated movement is to be accommodated and the locations of any movement joints
- c. What trafficking, if any, is anticipated
- d. The means by which the requirements of the Building Regulations are to be met, particularly the maximum thermal transmittance values of the Building Regulations
- e. How condensation problems are to be prevented
- f. Detail considerations
- g. Roof drainage
- h. What cross falls and/or falls are required to achieve the required drainage falls
- i. How skirting heights and minimum threshold heights are to be incorporated
- j. The correct location of damp-proof courses relative to the mastic asphalt waterproofing
- k. Sufficient working space for the application of materials.

## Access for inspection

To facilitate access for regular inspection (as recommended in BS 6229) consideration should be given to provision of a fixed permanent access to all flat roofs. Such access will also be useful for maintenance and repair.

## Roofing details

The general arrangement details and the principles to be followed at skirtings, upstands, abutments, verges, gutters and expansion joints are as per the details illustrated at the end of this Technical Guide..

