

SUBSTRATES

CONCRETE

For in situ concrete, the surface should be provided with a float finish to a plane, even surface free from ridges and indentations.

STRUCTURAL WALLS

It is imperative that the vertical mastic asphalt should always be applied to structural walls capable of resisting any anticipated internal or external loads or pressure.

KEYING TO VERTICAL AND SLOPING SURFACES

When mastic asphalt is applied to vertical and sloping surfaces, the top of the mastic asphalt shall be tucked into a continuous groove of 25mm x 25mm formed in the structure and its exposed part should be formed with a splay, or continued horizontally to form a mastic asphalt capping.

Mastic asphalt will not adhere satisfactorily to vertical and steeply sloping surfaces unless such surfaces afford an adequate key.



Mastic asphalt tanking

GENERAL

In all cases of tanking and tank lining, the mastic asphalt tanking must be applied in three coats to a total thickness of 30mm on the horizontal and 20mm on sloping and vertical faces, with a two coat angle fillet at all internal angles.

Due to the molten nature of mastic asphalt nominal thicknesses given are indicative rather than precise. Any irregularities in the horizontal substrate will be reflected in the final surface with accompanying inconsistencies of thickness.

HORIZONTAL, SLOPING AND VERTICAL SURFACES

HORIZONTAL SURFACES UP TO AND INCLUDING 10° PITCH

On horizontal surfaces up to and including 10° pitch the mastic asphalt should be laid in three coats to a thickness of 30mm directly to the substrate.

SLOPING AND VERTICAL SURFACES OVER 10° PITCH, OTHER THAN LIGHTWEIGHT CONCRETE

On sloping and vertical surfaces over 10° pitch the mastic asphalt should be laid in three coats to a thickness of 20mm without a separating membrane.

SLOPING AND VERTICAL SURFACES OF LIGHTWEIGHT CONCRETE OVER 10° PITCH

On sloping and vertical surfaces of lightweight concrete the mastic asphalt should be laid in three coats to a thickness of 20mm.

The preparation of lightweight concrete to receive mastic asphalt tanking is detailed in section 95.1.2 of BS 8102:1990.

TANKING

tanking