

Site preparation

Key for tanking vertical and sloping surfaces

Concrete surfaces

Where vertical or sloping concrete is very, e.g. where steel shuttering has been used, some form of surface treatment is necessary to provide a satisfactory key for the mastic asphalt. One of the following treatments may be adopted and may also be necessary if excessive blowing is experienced:

- a. Removal of surface laitence by wire brushing
- b. Application of a proprietary sand and cement slurry incorporating a plasticising agent in accordance with the manufacturer's recommendations
- c. A light application of a proprietary high bond primer.

Damage to the mastic asphalt and loss of key will be caused by excessive use of mould oil.

Lightweight concrete

Mastic asphalt should not be applied directly to lightweight concrete, which should be rendered with a suitable sand and cement facing, or treated with a proprietary sand and cement slurry incorporating a plasticising agent in accordance with the manufacturer's recommendations.

Brickwork

The horizontal joints in brickwork should be lightly raked and well brushed out or bagged. Where mastic asphalt is to be applied to old brickwork, the surface should be cleaned and a proprietary high bond primer applied. Blistering or loss of bond may be experience if mastic asphalt is applied direct to calcium silicate (sandlime) bricks or brickwork bedded in unduly hygroscopic mortars.

Other surfaces

Glazed brickwork or other similar surfaces should be hacked to form a key. Surface finished such as lime wash, distemper, paint etc., should be removed and the base so exposed should be hacked and wire brushed. Mastic asphalt should not be applied to soft or friable surfaces.

External angles

The external angles of concrete and masonry should be rounded-off to allow the full thickness of mastic asphalt to be applied continuously around the angle.

Surface protection

General

All mastic asphalt tanking should be protected against static point loading and mechanical damage prior to the application of the protective screed.

