

Traditional LCC SOIL SYSTEM (BS416/1)

These products are supplied bitumen coated ready for installation

INSTALLATION

Using secure fixings, the product should be supported in place using a sound surface capable of taking the product weight.

During installation and assembly of the product, any handling, scuffing or impact damage to the coating must be made good to maintain the integrity of the finished bitumen coating. Likewise, any cutting or drilling operations must be protected with bitumen immediately to prevent the onset of the rusting process.

This touch up reworking also applies to any bolts, nuts, nails and screws used during installation.

Once the product is situated in the desired position, the joints should be corked to form an air tight seal. Finished installations should be tested to ensure compliance with current building regulations.

ROUTINE MAINTENANCE

Regular annual inspections are recommended to ensure exterior surfaces are kept free from contaminant build up. Where excessive contamination is found then the frequency of inspections needs to be increased. During these inspections, the exterior surface should be cleared of any film or contaminant build and any areas of damage to the bitumen surface made good.

The corked joints should be inspected for soundness and continuity. Seal any cracks or fissures found. Fixing should be checked for soundness and remedial work done to secure products if fixing found to be insecure.

EXTERIOR COATING TOUCH UP PROCEDURE

This process will ensure the protection of the cast iron product against rusting from the reworked areas subject to regular annual checks and routine maintenance of the exterior surfaces.

Surface Preparation

a. Surface scuffing or impact damage

The affected area should be rubbed with emery or sand paper to remove any loose bitumen or debris and provide a key for touch-up. Any rusting from exposed metal should be fully sanded back to bare metal. This process should be earned out dry and it is essential that any oil contamination, loose dust or metal debris is fully removed on completion of the sanding operation. Bitumen touch-up should be earned out as soon as possible after preparation of the surface.

b. Cutting and drilling

Remove any burrs or sharp edges and ensure that any oil contamination, loose dust or metal debris is fully removed on completion of these operations. Bitumen touch-up should be earned out as soon as

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possible after preparation of the surface.

If the bare metal faces have been left untreated, then any rusting of the exposed metal should be fully sanded back to bare metal before touch-up rework.

c. Bitumen Coating Process

This process should be carried out in dry conditions with the surface to be treated, clean and dry.

Using bitumen, apply an initial coat of bitumen to the bare metal surface ensuring all exposed metal is covered.

Excessive brushing out of the bitumen should be avoided since this will reduce bitumen layer thickness and necessitate three or four layers of bitumen touch-up paint to be required.

When the initial or previous bitumen coat is touch dry, apply the second or additional coats of bitumen to the reworked area ensuring any adjacent areas of bitumen which have been rubbed during the sanding operations are also covered. It is important that a minimum of two thick layers of bitumen are applied to provide the desired coating thickness for product protection.

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