

BLOCKSEAL ENVIRONMENTAL

Block Paving & Jointing Sealer

Description

Blockseal Environmental is a water based low viscosity urethane emulsion designed to penetrate the jointing sand of block paving to form an insitu elastomeric joint. The flexibility of the paving is retained, sand loss from the joint is eliminated and the growth of moss and weeds is inhibited. In addition to stabilising the joints the Blockseal Environmental protects the paving whilst maintaining its natural appearance and facilitates the easier removal of oil, fuels and stains from the blocks. Blockseal Environmental is suitable for both internal and external situations and may also be used to protect other concrete surfaces. It is suitable for use in areas such as town centres where solvent based products are undesirable.

Advantages

- Non-flammable, non-hazardous, low odour formulation.
- Prevents sand loss from joints.
- Economical in use and equipment may be cleaned with water.
- Reduces penetration of oil and fuels and allows for the easier removal of stains from the surface of the blocks.
- Efflorescence of blocks is greatly reduced.
- Treats both blocks and joints in one application.
- One component, ready for immediate use.
- Hard wearing, durable and long lasting and prevents dusting of blocks.
- Unaffected by ice, water and most commonly used chemicals.
- Inhibits growth of weed, lichen and moss.
- Good UV light resistance.

Technical Information

Specification: Blockseal Environmental is an elastomeric, urethane, polymer emulsion.

Coverage:
2-3m²/litre

Drying Time Surface Film:
Average 1.5-2 hours at 18°C, 70% relative humidity.

Light Traffic:
Acceptable minimum 6 hours. Vehicles should not be parked on treated blocks until a minimum of 1 day has elapsed.

Shelf Life:
12 months in unopened sealed containers.

Flash Point:
Non-flammable

Elongation:
Complies with ASTM D2370 100% elongation at break.

Surface Preparation

New Installations:

Blocks should be visibly dry in appearance. The jointing sand should also be dry although a small amount of dampness can be tolerated. The jointing sand should be well compacted and slightly below the pavement level as to avoid sand being plucked out and being deposited on the surface.

Existing Installations:

Paving should be cleaned by water blasting, grit blasting or steam cleaning. The surface should then be allowed to dry before re-sanding and compacting of the joints is undertaken. It is preferable that, before sealing, the jointing sand is also dry.

Application Instructions

A liberal amount of Blockseal Environmental should be applied to the surface using either a watering can with a fine rose or a low pressure horticultural type sprayer. A flexible squeegee should be used to evenly spread the Blockseal Environmental. Care should be taken to ensure that the joints between the blocks receive a liberal application of the material. One coat is normally sufficient but where a more enhanced appearance and/or chemically resistant hard wearing surface is required, then a second coat may be applied within 24 hours of the first coat. The application of a second coat will give a sheen to the blocks, the extent of which is dependent on the texture of the block. Attention should be paid to ensure sufficient material penetrates the joint to achieve stabilisation without leaving an excess of Blockseal Environmental on the surface of the block.

Do not return unused material to the original container and ensure partly used drums are resealed. All equipment should be cleaned immediately using water. On paving of a rigid construction we would recommend application using a soft brush.

Special Applications

In certain situations, where priorities vary, such as sand stabilisation in speed ramps, trafficking times may be greatly reduced. If trafficking times are of major consideration please seek the advice of our Technical Department.

Health & Safety

Blockseal Environmental, like similar products, is capable of irritating unprotected skin, we therefore recommend the use of suitable protective clothing, including gloves and goggles.

Accessories

Nufins are able to supply all application equipment.

Packaging

Blockseal Environmental is available in 5 and 25 litre containers.

Limitations

Blockseal Environmental is not recommended for use on composition tiles, Bitumen, rubber, vinyl and other plastic flooring unless measures have been taken to ensure adequate adhesion for the coating.

Blockseal Environmental should not be applied when rain is forecast during the drying cycle. Suitable precautions should be taken to protect newly applied Blockseal Environmental from the rain.

Please consult your block paving supplier regarding the suitability of the sealer prior to the application of Blockseal Environmental.

Blocks vary considerably in absorption, therefore, prior to carrying out the main body of work we would recommend that a small site trial is carried out to determine the aesthetic qualities of Blockseal Environmental in relation to the blocks being sealed.

Storage

The material should be stored at normal room temperature, away from foodstuffs and out of the reach of children.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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