



Elastomeric prepolymer impregnation for protecting pavements.

PRODUCT DESCRIPTION

Qseal (formerly QSandbond and a direct derivative of the original urethane based ACM Pavseel) is a clear, low viscosity, moisture curing polyurethane prepolymer that penetrates the surface and the jointing and reduces the porosity. It does not deny jointing moisture absorption which is a primary requirement of block paving systems.

Qseal provides improved resistance to chemicals, abrasion, erosion and traffic wear. On application, the polymer penetrates the substrate and jointing sand, and then through evaporation of the solvent and the polymerisation reaction of the atmospheric and residual moisture it forms an in - situ elastomeric bond thereby retaining the essential flexural properties of sand jointed paving systems.

ADVANTAGES

Qseal prevents up to 60% of chewing gum adhering to the surface and it enables any chewing gum residue left in 50% less time than if untreated.

Qseal forms a water resistant bond controlling the ingress of water and detritus to the underlying pavement structure. It does in addition improve resistance to a wide range of chemicals including fossil fuels.

Qseal is unaffected by steam cleaning (up to 150degrees C). It is non slip (see technical paper). After weathering (typically 4-8 weeks) the surface colour returns to within 5% of that of the original untreated surface.

Surfaces treated with Qseal can be maintained far more easily as the surface is impregnated rather than coated. This eliminates vehicular 'tram lining' in high wear areas.

In application it is:

- Fast drying thereby minimising waiting time.
- Porosity reducing thereby obviating surface dusting and detritus penetration.
- Highly resistant to joint deterioration - even in the most arduous of environments such as 'jet blasting', vacuum sweeping, steam cleaning and high turbulence water flow.
- Highly durable with up to 20 year reference points.
- Weed resistant.
- Completely proven and guaranteed for 5 years.



TECHNICAL INFORMATION

NCO content

1% maximum

Viscosity @ 25°C

Less than 0.5% (TDI)

Flash point

45degrees C.

Specific Gravity @ 25°C

0.89

Working Temperature

5-40degrees C.

Drying time at 20°C

3 hours minimum.

Solvent

Naptha B.

Shelf life

Typically 6 months.

Storage instructions

In a cool dry frost free environment away from sources of ignition.

Coverage

Depends on surface and application.

TECHNICAL DATA SHEET



QSEAL



TYPICAL USES

Qseal is ideally suited to block paving and other concrete paving solutions employed in town/city centres (both vehicles and pedestrians), drives and parking areas.

SUITABLE SUBSTRATES

Qseal can be used on both concrete and clay pavers.

COLOUR

Delivers a finish that is within 5% of the original. Natural untreated appearance - matt.

DIRECTIONS FOR USE

For optimum performance and penetration of the sealer the joints must be filled to the underside of the chamfers with clean dry kiln dried sand or similar, which should comply with B.S. No 6717 (for concrete pavers) and B.S No. 6677 (for clay pavers) or a national equivalent

The block pavement must be clean, dry and free from oil, laitance, curing agents, dust and any loose materials. If the surface is weathered or contaminated, use rotary pressurised non chemical water cleaning. After cleaning sufficient drying time the surface must be fully dry before applying Qseal.

Application can be carried out in damp conditions but not when wet! In very dry conditions, dampen the surface by means of a water sprinkling device. The block/pavement surface should be allowed to dry, leaving sufficient residual moisture for polymerisation to take place. Any rainfall after 1 hour of the sealant application will speed the curing process.

METHOD OF APPLICATION

Qseal is applied by calibrated flash proof spraying methods and foam rubber squeegees are then employed to ensure no pooling is evident. Jointing can be soaked via a watering can if necessary.

All surplus Qseal is to be worked is to be worked into the joints or removed from sealed areas, ensuring that sufficient has impregnated the paving surface and jointing to a typical depth of 15mm to 30mm.

Qseal is highly aromatic on application. Asthma sufferers may need to take adequate precautions but facemasks are not required in exterior usage.

Qseal must not be applied in the proximity to foodstuffs or aquatic life. It must not be allowed to enter the drainage system. All application methods must comply with current COSHH requirements.

All applications conform to BS7533 part III.

