



Elastomeric prepolymer impregnation for protecting paving joints and substrates.

PRODUCT DESCRIPTION

Qset (a direct derivative of the original ACM Pavseel) is a clear, low viscosity, moisture curing polyurethane prepolymer that penetrates the surface jointing and reduces its porosity.

Qset provides improved resistance to chemicals, abrasion, erosion and vacuum impacts even in THE most arduous environments such as airside at airports. 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 between the blocks and the jointing material thereby retaining the essential flexural nature of the surface.

ADVANTAGES

Qset transforms the jointing performance by bonding the particles of sand to each other and to the blocks it sits between. The joint then becomes highly resistant to its removal by whatever the abuse suffered in service.

Qset 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.

Qset 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 the original untreated surface.

Surfaces treated with Qset 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.
- Highly resistant to joint deterioration - even in the most arduous of environments.
- 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



TYPICAL USES

Qset is ideally suited to block paving and other concrete paving solutions employed in airports (both military and civil), heavy freight and vehicular movement centres, ports and parking areas.

SUITABLE SUBSTRATES

Qstone can be used on most natural materials.

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 Qstone.

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

Qset 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 Qset 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.

Qset is highly aromatic on application. Facemasks are not required in exterior usage.

All application methods comply with current COSHH requirements.

All applications conform to BS7533 part III.

