



Elastomeric prepolymer impregnation for protecting natural pavements and related cladding.

PRODUCT DESCRIPTION

Qstone (formerly QSandbondNS) is a direct derivative of the original urethane based ACM Pavseel. It is a clear, low viscosity, moisture curing polyurethane prepolymer that impregnates the surface and the jointing and reduces the porosity of the surface. It does not however deny jointing moisture absorption which is a primary requirement of block paving systems. It does allow the natural material to 'breathe'.

Qstone provides improved resistance to chemicals, abrasion, erosion and traffic wear. On application, the polymer penetrates the substrate and any jointing employed, 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

Qstone 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.

Qstone 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.

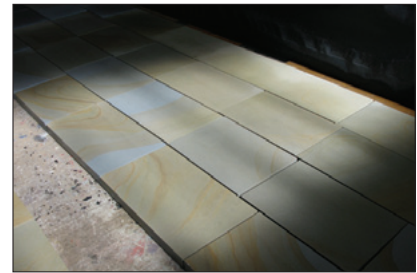
Qstone is unaffected by steam cleaning (up to 150°C). It is non slip (see technical paper). After weathering (typically 4-8 weeks) the surface colour returns to within 5% of that of the original untreated surface.

Natural material surfaces treated with Qstone can be maintained far more easily as the surface is impregnated rather than coated.

Qstone lends itself particularly well to the pre- treatment of freshly machined and cut stone avoiding quarry and construction related delays.

In application it is:

- Fast drying thereby minimising waiting time.
- Porosity reducing thereby obviating surface dusting and detritus penetration.
- Highly resistant to joint deterioration.
- Highly durable with up to 20 year reference points.
- Weed resistant.
- Completely proven and guaranteed for 5 years.
- If Qstone is employed in tandem with Qcide, natural surfaces can prove to be both aesthetically and practically feasible for use in heavy traffic areas.



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



QSTONE



TYPICAL USES

Qstone is ideally suited to paving and at risk cladded relevant natural surfaces employed in town/city centres and other prestigious facilities.

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 US

For optimum performance 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

Qstone is applied by calibrated flash proof spraying methods and foam rubber squeegees are then employed to ensure no pooling is evident.

Qstone 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.

