



# SHIELDX PAVING SEALER

## 1. PRODUCT DESCRIPTION

**ShieldX Paving Sealer** gives lasting protection to porous flooring materials such as brick, limestone, sandstone, marble, granite, slate, concrete and artificial stone.

**Exterior:** stonework, patios, block paving slabs, pedestrian areas and car parks.

**Interior:** stone flooring, floor tiles, garage floors, etc.

**Liquid and Oil Repellent** - Prevents liquid and water ingress.

- Eliminates the harmful effects of moisture and prevents frost damage.
- Prevents greasy stains (oils, diesel, tea, coffee, etc.) adhering to the surface and protects against general grime
- Chewing Gum does not adhere to the surface.
- Stains are easily removed using water and detergents.

**Characteristics** - Reduces surface degradation.

- Maintains effectiveness in areas of high wear and tear. Up to 10 years protection.
- Resists moss, lichen and algae formation. Protects against fungal growth.
- Keeps surface looking natural and clean.
- Transparent, it does not alter the colour or original appearance.
- Surface remains moisture vapour permeable.
- The product is water based and ready-to-use.
- Environmentally friendly, UV resistant, non-flammable and non-toxic.

**Usage** - The surface should be treated by impregnation but not to excess.

- Can be applied with a brush, roller or low-pressure spray.
- For use on new or old surfaces which must be clean and free from dust. For new concrete, wait for a minimum of 28 days curing and drying before treatment.
- Optimum effectiveness of oil and water repellence is attained 7 days after treatment.
- Clean the surface with water.
- Do not store at temperatures below 5°C.
- Do not apply when rain or frost are expected.
- Coverage will vary with substrate absorbency.

## 2. PRODUCT DATA

### APPEARANCE

Milky white liquid.

### PACKAGING

5lt and 20lt plastic containers, ready to use.

### STORAGE CONDITIONS

Protect from frost and direct sunlight.

### SHELF LIFE

12 months in unopened containers when stored in recommended conditions.



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### 3. TECHNICAL DATA

#### CHEMICAL BASE

Aqueous fluorochemical dispersion.

#### DENSITY

1.0kg/lit @ 25 °C

#### FLASHPOINT

>25 °C

#### CHEMICAL RESISTANCE

De-icing salts, water, dilute acids and alkalis.

#### VOC CONTENT

0.0g/litre [zero]

### 4. SURFACE PREPARATION

#### SUBSTRATE QUALITY

Any cracks must be repaired using a concrete mortar repair system.

Moisture content should be = or <5% to a depth of 1cm.

#### SUBSTRATE PREPARATION

Must be free from dust, dirt, oil, efflorescence, organic growth and old paint films. Pressure washing up to 2500 psi and the use of a fungicidal wash is recommended to remove organic growth.

### 5. APPLICATION CONDITIONS

#### SUBSTRATE TEMPERATURE

+5 °C to +30 °C

#### AMBIENT TEMPERATURE

+5 °C to +30 °C

#### SUBSTRATE MOISTURE

5% maximum.

### 6. APPLICATION

- Before application thoroughly shake the container.
- Always carry out a trial application to ensure the required finish is achieved.
- Do not apply during rainy or very hot weather.
- Apply the product to the surface only after it has been cleaned, dusted and dried.

ALL SURFACES MUST BE COATED TO SATURATION IN 1-2 COATS OF SHIELDX PAVING SEALER, APPLIED "WET ON WET" TO ENSURE PRODUCT EFFICACY.

#### APPLICATION METHOD

- ShieldX Paving Sealer may be applied using low pressure spray, brush or roller.
- Use neat, do not dilute.
- Ensure application is from bottom to top on vertical surfaces taking care not to let the product run.
- Do not over-apply the product and immediately remove any excess.
- If a second coat is required it MUST be applied "wet on wet" within 5 minutes of previous application until product is no longer absorbed.
- Once dry ShieldX Paving Sealer cannot be over-coated with any other products as there will be loss of adhesion.
- Clean all equipment with water after use.



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## 6. APPLICATION (CONT.)

### NOTES ON APPLICATION

Fresh concrete must have 28 days curing before treatment. It is advisable to treat a sample area in advance to check that compatibility and substrate conditions are suitable. Efflorescence must be treated with dilute acids before application of ShieldX Paving Sealer. ShieldX Paving Sealer will not perform correctly if applied over non-absorbent surface e.g. areas that have epoxy repairs on them or old paint films.

### COVERAGE

Coverage depends on the porosity of the stone. The figures below are approximate and should be used only as a general guideline:

Natural Stone (high porosity)	- 0.6m <sup>2</sup> /lt
Natural Stone (medium porosity)	- 7.0m <sup>2</sup> /lt
Concrete Slab	- 5.3m <sup>2</sup> /lt
Block Paving	- 5 - 8m <sup>2</sup> /lt
Terracotta	- 7.5m <sup>2</sup> /lt
Cement Tiles	- 10.0m <sup>2</sup> /lt
Marble	- 14.0m <sup>2</sup> /lt
Granite	- 8 - 16m <sup>2</sup> /lt

## 7. CURING DETAILS

### CURING TREATMENT

It is advisable not to apply ShieldX Paving Sealer if rain is expected within 4 hours. Water repellency is evident after a few hours drying but it may take up to 7 days to reach 100% efficacy.

### NOTES

Technical data provided is based on laboratory tests and some variations are possible on larger areas and unknown substrates.

## 8. HEALTH & SAFETY

### RESPIRATORY PROTECTION

*Under normal conditions of use where adequate ventilation is available, no special respiratory protection is needed.*

### HAND PROTECTION

*Wear domestic gloves.*

### SKIN PROTECTION

*Wear protective clothing over exposed areas of skin.*

### EYE PROTECTION

*Wear safety goggles.*

### KEEP OUT OF THE REACH OF CHILDREN

*Ensure container is stored in a secure upright position and tightly closed.*

**If swallowed do not induce vomiting. Consult a doctor or a specialist.**

**In case of contact with eyes rinse immediately with plenty of water.**

**Remove any splashes from skin using soap and water or a recognised skin cleaner.**

See MSDS for further information.



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