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TECHNICAL DATA SHEET TDS091  
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# ALL IN ONE SEALER

## DESCRIPTION

ALL IN ONE SEALER is a non-degrading solvent based, clear acrylic sealer. Its low viscosity ensures rapid penetration into porous substrates.

## USES

Impregnation, sealing and hardening of concrete, masonry, brickwork and block paving. Provides a protective coating to seal from water penetration and weathering, and to enhance the natural colour of these surfaces. On block paving it will act as a sand stabiliser.

## ADVANTAGES

- \* Penetrative resin seals, protects and hardens concrete surfaces and improves abrasion and weathering properties.
- \* Non-yellowing, stable product which enhances the appearance of most materials
- \* Non-degrading sealer remains permanently within the surface.
- \* Can be applied to damp surfaces.
- \* Consolidates and stabilises block paving sand.

## TECHNICAL DATA

Appearance:	Clear liquid
Specific Gravity:	0.85
Flash Point:	42°C (Abel-closed cup)
Viscosity:	9.5cP at 20°C
Coverage per coat:	4.5 to 12m <sup>2</sup> /Litre
Touch Dry @ 20°C:	2-4 hours
Full Dry @ 20°C:	24 hours
Bond Strength to concrete, direct tensile:	1.7N/mm <sup>2</sup>

## PACKAGING

ALL IN ONE SEALER is supplied in 5 litre or 25 litre non-returnable steel containers.

## METHOD OF USE

### Surface Preparation

#### **New Concrete:**

ALL IN ONE SEALER may be sprayed onto newly laid concrete as soon as the surface water has disappeared or immediately after finishing.

#### **Existing Concrete:**

Existing concrete substrates should be clean, sound and free of laitance, oil, paint film or other contamination. Captive grit blasting or grinding are the preferred methods of preparation although high temperature application of a neutral detergent may be beneficial with oil/grease contamination.

Sweep or vacuum all dust and debris from the surface. A dry surface is preferred, but damp surfaces are acceptable provided there is no free water present.

#### **Block Paving:**

Brush area to remove as much loose sand and debris as possible. To ensure maximum absorption, pavements should be dry, although ALL IN ONE SEALER can be applied to damp surfaces. Efflorescence and/or other stains on the surface must be cleaned off prior to application of this sealer.

**NOTE:** Block pavements with a high lime content can produce unsightly white surface deposits that may reduce with weathering. It is advisable to test ALL IN ONE SEALER on a small inconspicuous area prior to coating the entire surface.

## MIXING

ALL IN ONE SEALER is supplied ready for use.

## APPLICATION

### **New Concrete:**

After finishing the concrete, ALL IN ONE SEALER should be sprayed evenly from a conventional low pressure sprayer to concrete free from surface water. In severe drying conditions the concrete should additionally be covered with polythene sheets, shade and windbreaks. In hot weather store ALL IN ONE SEALER containers in a cool place prior to use.

### **Existing Concrete:**

ALL IN ONE SEALER may be applied to the prepared surface using a brush, roller or low pressure spray. A single coat application will give a matt finish with minimal change in appearance. Subsequent coat(s) will give an increasing gloss finish to the surface. Optimum abrasion resistance and surface sealing will require at least two coats.

### **Block Paviours:**

Application is normally carried out by roller, allowing the substrate and bedding sand to absorb as much liquid as possible, without leaving puddles. A second coat may be applied after the first has dried. Care should be taken to avoid over application particularly on steep surfaces, as this may constitute a slip hazard when wet.

ALL IN ONE SEALER should not be applied in conditions where there is frost in the ground or when freezing conditions are expected. The presence of efflorescence or laitance on the surface can lead to a patchy uneven appearance. In some situations the application of ALL IN ONE SEALER can result in salts being drawn to the surface. Penetration can be improved on impervious substrates by thinning with Thinners No. 3.

*We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.*

In this case a second coat is usually required. 6-8 hours should be allowed between coats.

### **Artificial Stone:**

Variations in porosity and method of manufacture will affect the penetration of ALL IN ONE SEALER. This can result in a patchy appearance once the product has dried. It is therefore advisable to test ALL IN ONE SEALER on a small area of surface before application to a larger areas.

Manufacturers recommendations should be followed when using sealers. Where the use of water based sealants are specified ( or for large indoor areas ), the use of FLORSEAL should be considered.

## CLEANING

All equipment should be cleaned immediately after use with Thinners No. 3.

## STORAGE

ALL IN ONE SEALER is a flammable material with a flash point of 42°C. It must be stored in a cool, dry place with good ventilation, protected from extremes of temperature. Do not smoke or expose a naked flame to the storage area. Store in closed containers.

## HANDLING

ALL IN ONE SEALER is a flammable material and good ventilation is essential in the work area. Do not smoke or expose a naked flame during use and store in closed containers. Skin and eye contact should be avoided and plastic or rubber gloves and eye protection worn at all times. For full details consult the relevant Health and Safety Data Sheet

