

# RESIBLOCK ULTRA

## PRODUCT DESCRIPTION

RESIBLOCK ULTRA is a UV stable urethane based low viscosity pre-polymer surface sealer and jointing sand stabiliser designed specifically for concrete block paving. Its penetration and bonding comes about through solvent evaporation, polymerisation being effected by atmospheric moisture. It incorporates a completely unique moisture curing system. It's main function is to provide a wet-look, colour enhancing, anti-detritus coating with a high order of resistance to Ultra Violet light.

## FEATURES

- Single component - fast cure, ensures rapid re-use of the facility
- Provides significant colour enhancement
- Highly attractive sheen is imparted to surface
- Anti detritus coating allows for economic removal of chewing gum, food & beverage stains etc.
- Penetration brought about by solvent evaporation
- Polymerisation effected by atmospheric and residual moisture
- Can be applied all year round (see application information).
- Suitable for most types of semi-drycast block paving
- Demonstrates outstanding UV tolerance
- Greatly exceeds ASTM D 2370 (elongation test) - fully elastomeric.
- Proven to withstand temperatures in excess of 200° C

## HIGH QUALITY AESTHETICS ENHANCED

JOINTING SAND REMAINS IN PLACE UNDER THE MOST ARDUOUS CONDITIONS, INCLUDING HIGH VELOCITY WATER FLOWS (GRADIENT/ EMBANKMENT) AS WELL AS MAINTENANCE PRESSURE WASHING. RENDERS THE JOINTS TOTALLY BONDED AGAINST THE GROWTH OF WEED AND GRASS SPORES.

## THE SYSTEM

### Special Properties

Maintains performance life of pavement.  
Yields significant whole life cost savings and reduces interim maintenance.  
Cleaning issues permanently addressed.  
Contributes to 'Best Value'.  
Fuses seamlessly to all Interfaces.  
Virtually eliminates weed and grass growth in the joints.  
Ideal for use with pavers having:-  
Wide joints  
High porosity  
Use in high visibility situations

### Fields of Application

HOTELS  
GOLF CLUBS  
LUXURY VILLAS AND RESIDENCES  
PAVING REQUIRING FREQUENT CLEANING  
HIGH PROFILE SHOPPING MALLS  
PRESTIGE RESTAURANTS  
AESTHETICALLY SENSITIVE AREAS

### Limitations of Use

Clay pavers, PIC, Engineering Bricks, Quarry Tiles and Marble. May reduce SRV to an unacceptable level (accordingly the use of an anti-slip aggregate should be

## GENERAL TECHNICAL DATA

considered).

### Coverage

2.5 & 5.0 m<sup>2</sup>/l per coat (2 coats required) depending on joint width and paver porosity

### Cleaning of Tools

RESICLEAN

### Drying Times

2 hrs @ 20° C

### Storage

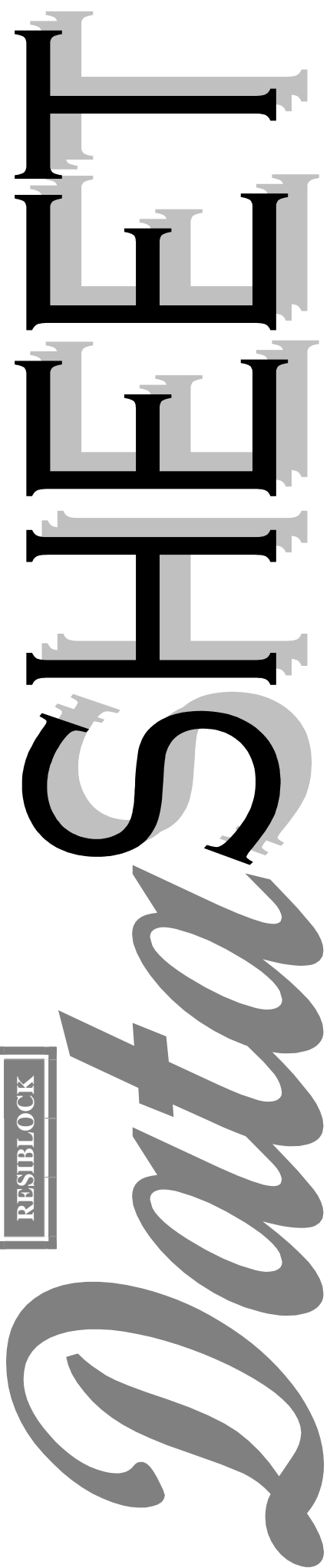
Store under cover and protect from extremes of temperature. Being aliphatic based it is temperature sensitive, if stored at temperatures below 10°C, the polymer may tend to settle out of the solvent, as such ensure contents of container are thoroughly mixed.

### Flash Point

45° C

### Can Sizes

5l cans and 25l kegs



# RESIBLOCK ULTRA

## APPLICATION INFORMATION

1 Make sure the surface and **jointing sand** is THOROUGHLY DRY and free from dirt.

2 Ensure that RESIBLOCK ULTRA is only applied when there is no risk of rain within the next 12 hours.

3 Do not apply in extremes of temperature (below 3°C or above 30°C). For temperatures above this range please consult our Technical Dept for specific application procedures

4 Ensure paving is thoroughly swept and that no jointing sand remains in the chamfers.

5 Apply to surface using the RESIBLOCK ROLLER

6 Allow first coat to become *palm print dry* and immediately apply the second coat (the same day)

7 Accurate application rates are critical to ensure full surface and joint sealing .

8 For surfaces that are considered to be a critical safety issue, RESIBLOCK ULTRA can be specified having an anti-slip aggregate added between the coats

9 A MINIMUM of 3 hours and a MAXIMUM of 24 hours between the first and second coats must be allowed.

10 Avoid walking on the sealed area for 3 hours after application and do not allow vehicular over-run for 48 hours.

11 ALWAYS WEAR PROTECTIVE GLOVES AND GOGGLES. NO SMOKING. WEAR A MASK WHEN WORKING CLOSE TO THE SURFACE. Please refer to current MSDS.

12 All uncured ULTRA on tools should be cleaned immediately using RESICLEAN.

## TEST DATA (TYPICAL VALUES)

| Test liquid     | Infiltration rate ml/second | Maximum permitted infiltration rate ml/ | Remarks   |
|-----------------|-----------------------------|---|-----------|
| Unleaded petrol | <0.020                      | 0.02                                    | excellent |
| AVGAS           | <0.020                      | 0.02                                    | excellent |
| Diesel fuel     | <0.020                      | 0.02                                    | excellent |
| Water           | 0.022                       | 0.05                                    | excellent |

### Infiltration

*\*Recommendations by University of Newcastle work for British Aerospace Military Aircraft Ltd.*

| Surface Tested                                     | Pendulum Test Result |
|--|----------------------|
| Concrete pavers - unsealed                         | 72                   |
| Concrete pavers - RESIBLOCK sealed using anti-slip | 65                   |

### Skid Resistance

#### Abrasion Resistance

| Water/cement ratio of concrete mix | Depth of abrasion (mm) C & CA Abrasion machine (5 minute cycle) |                                       |                   |
|------------------------------------|---|---------------------------------------|-------------------|
|                                    | Control - No surface treatment*                                 | 2 coats 20% Sodium Silicate solution* | 2 coats RESIBLOCK |
| 0.65                               | 1.18  | 0.89                                  | 0.14              |
| 0.52                               | 0.78  | 0.51                                  | 0.14              |
| 0.44                               | 0.54  | 0.40                                  | 0.14              |

\*C & CA Abrasion Machines, ref. R G Chaplin. BCA April 1990 \*Test results from Sadegzadeh and Kettle, Aston University, Concrete, May 1987

## Tensile/Elongation tests

|      | Tensile Strength | Elongation (%) |
|------|------------------|----------------|
| ASTM | 7.1              | 407            |

## HEALTH & SAFETY

PVC gloves and protective clothing/face shield must be worn, plus use of a barrier cream on exposed areas of skin, as uncured RESIBLOCK ULTRA may be considered a hazardous material.

No smoking or naked flames to be allowed, as RESIBLOCK ULTRA is FLAMMABLE. Ensure area to be treated is well ventilated. If public access is allowed, erect NO SMOKING signs and site fire extinguishers

A mask of the recommended type is **essential** when using a paintbrush, working close to the surface or internally. Sabre or Martindale is recommended.

Do not apply RESIBLOCK ULTRA in the presence of foodstuffs. Once fully cured RESIBLOCK ULTRA can be considered innocuous. Do not clean hands with RESICLEAN as solvents may de-fat skin leading to dermatological problems.

Do not return unused material to original containers. DO NOT RESEAL or store partly used kegs. Material so stored may have poor adhesion, Carbon Dioxide may generate and put the drum under pressure, which might rupture the drum. Furthermore partial or total solidification of the sealant may occur.

PLEASE NOTE THIS DATA SHEET REPRESENTS AN ABBREVIATION ONLY OF TECHNICAL INFORMATION, PARTICULARLY AS IT RELATES TO FIELDS OF USE, APPLICATION AND HEALTH AND SAFETY. AS SUCH IT IS ESSENTIAL THAT THE LATEST COPY OF OUR FULL TECHNICAL DATA IS CONSULTED

# RESIBLOCK