

# RESIBLOCK

Sealing, Stabilising, Protecting Paving

## Datasheet

### RESIBLOCK ULTRA MATT

#### Product Description

RESIBLOCK *ULTRA MATT* is a urethane based low viscosity prepolymer jointing sand stabiliser of exceptional effectiveness with a high order of UV resistance. Its penetration comes about by solvent evaporation, polymerisation being effected by atmospheric moisture. It incorporates a completely unique moisture curing system. Its function is to bring about enhancement to coloured concrete products, similar to that found after rainfall.

#### The System

##### Special Properties

Maintains performance life of pavement.  
Yields significant whole life cost savings and reduces interim maintenance.  
Satisfies architectural requirements  
Contributes to 'Best Value'.  
Fuses seamlessly to all Interfaces.  
Resists weed and Grass growth in the joints.  
Ideal for use with:-  
CBP  
Clay Pavers  
Flags  
Natural Stone

##### 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

PIC, Engineering Bricks, Quarry Tiles and Marble

#### Structural Integrity Also Provided

Jointing sand remains in place under the most arduous conditions, including high velocity water flows, vacuum sweeping and jet-thrust renders the joints totally impermeable to water and hydrocarbons. Problems associated with paver destabilisation and rutting virtually eliminated.

#### Features

- Single component - fast cure, ensures rapid re-use of the facility
- Suitable for use in countries that experience high levels of UV radiation
- Provides exceptional colour enhancements to concrete products.
- Polymerisation effected by atmospheric and residual moisture
- Can be applied all year round (see application information).
- Allows pavement to retain its normal flexural qualities
- Manufactured under ISO 9002
- Greatly exceeds ASTM D 2370 (elongation test) - fully elastomeric
- Easy application by RESIBLOCK Squeegee.
- Proven to withstand temperature in excess of 200° C
- High degree of resistance to chemicals.
- Can be easily removed so as to allow easy access to services below pavement.

#### General Technical Data

##### Coverage

1.8 – 2.4 m<sup>2</sup>/l 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

24° C

##### Can Sizes

25l kegs

##### Shelf Life

18 months (unopened containers)

##### Shipping Specification

Packing Group III  
UN No. 1866 – Class 3.3

## Application Information

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

2 Ensure that RESIBLOCK *ULTRA MATT* is only applied when there is no risk of rain within the next 8 hours.

3 Do not apply in extremes of temperature (below 3° C or above 50° C). For temperatures above this range contact our application dept for special procedures.

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

5 Apply to surface using a watering can (with the rose) and remove **all** surplus with the RESIBLOCK SQUEEGEE.

6 Accurate application rates are critical to ensure full joint stabilisation (typically 1 litre/2m<sup>2</sup> 100 x 200 CBP).

7 In aesthetically sensitive areas wet-cast paving slabs **must** be pre-treated with RESIBLOCK *E.R.* and allowed to **thoroughly dry** (2 weeks recommended).

8 A **MINIMUM** of 3 hours and a **MAXIMUM** of 24 hours between the first and second coats. Two coats are recommended to prevent fuel/water infiltration. **ONE COAT ONLY** on clay pavers.

9 Avoid walking on the sealed area for 3 hours after application and do not drive motor vehicles on the surface for 24 hours.

10 ALWAYS WEAR PROTECTIVE GLOVES AND GOGGLES. NO SMOKING. WEAR A MASK WHEN WORKING IN CONFINED AREAS. Please refer to current MSDS.

11 All uncured sealant and tools should be cleaned immediately using RESICLEAN.

## Test Data (Typical Values)

### Infiltration

Test liquid	Infiltration rate ml/second	Maximum permitted infiltration rate ml/second*	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

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

### Skid Resistance

Surface Tested	Pendulum Test Result
Concrete pavers unsealed	65
Clay pavers	52

### 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 Sadegzede and Kettle, Aston University, Concrete, May 1987

	Tensile Strength (mPa)	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 MATT* may be considered a hazardous material.

No smoking or naked flames to be allowed, as RESIBLOCK *ULTRA MATT* 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 MATT* in the presence of foodstuffs. Once fully cured RESIBLOCK *ULTRA MATT* 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 Ltd, Resiblock House, Archers Fields Close, Basildon, Essex SS13 1DW United Kingdom

☎ : +44 (0)1268 273344 ☎ : +44 (0)1268 273355

✉ : technical@resiblock.com 🌐 : www.resiblock.com