

# RESIBLOCK

Sealing, Stabilising, Protecting Paving

## Datasheet

### RESIBLOCK SUPERIOR: NATURAL MATT

#### Product Description

RESIBLOCK Superior: Natural Matt is a urethane based low viscosity prepolymer paving sealer and jointing sand stabiliser of exceptional effectiveness. Its penetration comes about by solvent evaporation, polymerisation being effected by atmospheric moisture. It incorporates a completely unique moisture curing system eliminating the problems common to conventional water based and solvent acrylic systems. It's function is to bind the particles of sand and protect the paver face from oil and water infiltration.

#### The System

##### Special Properties

Maintains performance life of pavement.  
Yields significant whole life cost savings and reduces interim maintenance.  
Contributes to 'Best Value'.  
Oleophobic and hydrophobic properties  
Resists weed and Grass growth in the joints.  
Ideal for use with:-  
CBP  
Clay Pavers

##### Fields of Application

SMALL/MEDIUM CAR PARKS  
PATIOS AND PAVED GARDENS  
PRIVATE ROADS AND DRIVEWAYS

##### Limitations of Use

PIC, Engineering Bricks, Quarry Tiles, Wet Cast/  
Hydraulically Pressed Flags and Marble

##### Coverage

3m<sup>2</sup>/l For the first coat  
6m<sup>2</sup>/l For the second coat

#### Structural Integrity Maintained to Paving

Jointing sand remains in place under the most arduous conditions. Renders the joints and surface impermeable to water and hydrocarbons. Problems associated with paver destabilisation and rutting virtually eliminated.

#### Features

- Two coat system - fast cure, area can be used fully within 24 hours
- Penetration brought about by solvent evaporation
- Polymerisation effected by atmospheric and residual moisture
- Can be applied all year round
- 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 Resi Rollers
- Proven to withstand temperature in excess of 200° C and below 300° C
- High degree of resistance to commercial chemicals.
- Unaffected by de-icing salts
- Lifespan up to 5 years

#### 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 *Superior: Natural Matt* may be considered a hazardous material.

No smoking or naked flames to be allowed, as RESIBLOCK *Superior: Natural Matt* is FLAMMABLE. Ensure area to be treated is well ventilated.

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

Once fully cured RESIBLOCK *Superior: Natural Matt* can be considered innocuous. Do not clean hands with RESICLEAN as solvents tend to de-fat skin that can lead 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 and 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.

## Application Information

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

2 Ensure that RESIBLOCK *Superior Natural Matt* is only applied when there is no risk of rain within the next 24 hours.

3 Do not apply in extremes of temperature (below 3°C or above 30°C)

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

5 Apply liberally with a Resiroller leave 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.

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

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

8 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	75
Concrete pavers - RESIBLOCK sealed	62

### 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 RESI-BLOCK
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

### ASTM

	Tensile Strength (mPa)	Elongation (%)
RESIBLOCK SUPERIOR NATURAL MATT	7.1	407

## General Technical Data

**Cleaning of Tools**  
RESICLEAN

**Drying Times**  
2 hrs @ 20°C

**Storage**  
Store under cover and protect from extremes of temperature

**Flash Point**  
45°C

**Can Sizes**  
5l cans and 25l kegs

**Shelf Life**  
18 months (unopened containers)

**Shipping Specification**  
Packing Group III  
UN No. 1866 - Class 3.3

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 prior to application.

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