

## PRODUCT DATA SHEET

# RESIBLOCK BLOCK PAVING SEALER

### SUPERIOR SOLVENTED PAVING SEALER

#### PRODUCT DESCRIPTION

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

#### USES

Can be applied in small/medium car parks, patios, paved gardens, private roads & driveways. Ideal for use with concrete block paving (CBP) & clay pavers.

#### CHARACTERISTICS / ADVANTAGES

- Two coat system - fast cure, area can be used fully within 24 hours.
- Can be applied all year round.
- Allows pavement to retain its normal flexural qualities.
- Easy application by RESIBLOCK Resi-rollers.
- Proven to withstand temperatures in excess of 200 °C.
- High degree of resistance to commercial chemicals.
- Lifespan up to 5 years.
- Maintains performance life of pavement.
- Resists weed and grass growth in the joints.
- Oleophobic and hydrophobic properties.
- Greatly exceeds ASTM D 2370 (elongation test) - fully elastomeric.

Maintains the structural integrity of the paving by:

- Ensuring the jointing compound remains in place under the most arduous conditions.
- Renders the joints and surface impermeable to water and hydrocarbons.
- Virtually eliminates problems associated with paver destabilisation and rutting.

#### PRODUCT INFORMATION

<b>Packaging</b>	5 L, 25 L kegs
<b>Shelf Life</b>	18 months from date of manufacture in unopened containers
<b>Storage Conditions</b>	Store under cover and protect from extremes of temperature
<b>Appearance / Colour</b>	Natural matt, gloss
<b>Flash Point</b>	+45 °C

## TECHNICAL INFORMATION

Abrasion Resistance	Water/cement ratio of concrete mix	Control - no surface treatment*	2 coats 20% Sodium Silicate solution*	2 coats RESIBLOCK BLOCK PAVING SEALER	Depth of abrasion (mm) C & CA abrasion machine (5 minute cycle)
	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.

Skid / Slip Resistance	Surface Tested	Pendulum Test Result
	Concrete pavers - unsealed	75
	Concrete pavers - RESIBLOCK BLOCK PAVING SEALER sealed	62

Chemical Resistance	Test liquid	Infiltration rate cm <sup>3</sup> /s	Maximum permitted infiltration rate cm <sup>3</sup> /s*	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.

Yield	3 m <sup>2</sup> /L for the first coat 6 m <sup>2</sup> /L for the second coat
Drying time	2 hours @ +20 °C

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- PVC gloves and protective clothing/face shield must be worn, plus use of a barrier cream on exposed areas of skin. For the hazard information please refer to current SDS.
- No smoking or naked flames to be allowed, as RESIBLOCK BLOCK PAVING SEALER 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 BLOCK PAVING SEALER 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.
- RESIBLOCK BLOCK PAVING SEALER natural matt not

suitable for use with PIC, engineering bricks, quarry tiles, wet cast/hydraulically pressed flags and all natural stone.

- RESIBLOCK BLOCK PAVING SEALER gloss not suitable for use with PIC, engineering bricks, quarry tiles, wet cast/hydraulically pressed flags and all natural stone.

## ECOLOGY, HEALTH AND SAFETY

### APPLICATION INSTRUCTIONS

#### SUBSTRATE PREPARATION

Make sure the surface and jointing sand are **thoroughly dry** and free from dirt.

Ensure that RESIBLOCK BLOCK PAVING SEALER **natural matt** is only applied when there is no risk of rain within the next 24 hours.

Ensure that RESIBLOCK BLOCK PAVING SEALER **gloss** is only applied when there is no risk of rain within the next 8 hours.

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

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

#### APPLICATION

##### RESIBLOCK BLOCK PAVING SEALER natural matt

Apply liberally with a Resi-roller leave a **minimum** of 3 hours and a **maximum** of 24 hours between the first

and second coats

### **RESIBLOCK BLOCK PAVING SEALER gloss**

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

Accurate application rates are critical to ensure full joint stabilisation (typically first coat: 1 L/3 m<sup>2</sup> and second coat: 1 L/6 m<sup>2</sup>).

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

Always wear protective gloves and goggles. No smoking. Wear a mask when working in confined areas. Please refer to current SDS.

## **CLEANING OF TOOLS**

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

## **LOCAL RESTRICTIONS**

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## **LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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