

RESIBLOCK

Sealing, Stabilising, Protecting Paving

Datasheet

RESIBLOCK '22'

Product Description

RESIBLOCK '22' is a urethane based low viscosity prepolymer 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 together and to the vertical faces of the paver. RESIBLOCK '22' is formulated for all flexibly laid paving.

The System

Special Properties

Maintains performance life of pavement.
Yields significant whole life cost savings and reduces interim maintenance.
Satisfies requirements of Local Agenda 21.
Contributes to 'Best Value'.
Fuses seamlessly to all Interfaces.
Resists weed and Grass growth in the joints.
Ideal for use with:-
CBP
Clay Pavers

Fields of Application

PORTS AND TERMINALS
BULK FUEL STORAGE FACILITIES
AIRCRAFT HARD STANDINGS AND TAXIWAYS
FOOTPATHS AND PEDESTRIAN PRECINCTS
CAR PARKS AND RAMPS
ROADS AND DRIVEWAYS

Limitations of Use

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

Coverage

1.0 – 2.5 m²/l depending on joint width and paver porosity

Structural Integrity Maintained to Paving

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
- Penetration brought about by solvent evaporation
- 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 and below 300° C
- High degree of resistance to commercial chemicals.
- Unaffected by commercial de-icing salts
- Can be easily removed so as to allow easy access to services below pavement.

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 '22' may be considered a hazardous material.

No smoking or naked flames to be allowed, as RESIBLOCK '22' 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 '22' in the presence of foodstuffs. Once fully cured RESIBLOCK '22' 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 '22' 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 30°C)

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 SQUEEGEE.

6 Accurate application rates are critical to ensure full joint stabilisation (typically 1 litre/2m²).

7 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.

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

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

10 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 Sadegzedeh and Kettle,

ASTM	Tensile Strength (mPa)	Elongation (%)
RESIBLOCK '22'	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