



New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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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 All Natural Stone

Coverage

3m²/l For the first coat
6m²/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 temperatures in excess of 200° 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. 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 Sadegzede and Kettle,

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.

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