

RESIBLOCK

Sealing, Stabilising, Protecting Paving

Datasheet

RESIBLOCK '22'-A.F.

Product Description

RESIBLOCK '22'/A.F. is a UV stable urethane based low viscosity pre-polymer surface sealer and jointing sand stabiliser designed specifically for all types of modular paving. Its penetration and bonding comes about through solvent evaporation, polymerisation being effected by atmospheric moisture. It incorporates a completely unique moisture curing system. Its main function is to bind jointing sand and act as an anti-detritus coating with a high order of resistance to Ultra Violet light.

The System

Special Properties

Maintains performance life of pavement.
Yields significant whole life cost savings and reduces interim maintenance.
Cleaning issues permanently addressed.
Contributes to 'Best Value'.
Fuses seamlessly to all Interfaces.
Virtually eliminates weed and grass growth in the joints.
Ideal for use with pavers having:-
Wide joints
High porosity
Use in high visibility situations
Light in colour

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

Clay pavers, PIC, Engineering Bricks, Quarry Tiles and Marble.

Features

- Single component - fast cure, ensures rapid re-use of the facility
- Provides colour enhancement on some substrates
- Allows pavement to retain its normal flexural qualities
- Anti detritus coating allows for economic removal of chewing gum, food & beverage stains etc.
- Penetration brought about by solvent evaporation
- Polymerisation effected by atmospheric and residual moisture
- Can be applied all year round (see application information).
- Suitable for most types of semi-drycast block paving
- Demonstrates outstanding UV tolerance
- Greatly exceeds ASTM D 2370 (elongation test) - fully elastomeric.
- Proven to withstand temperatures in excess of 200° C

General Technical Data

Coverage

1.5 - 5.0 m²/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

5l cans and 25l kegs

High Quality Aesthetics Enhanced

Jointing sand remains in place under the most arduous conditions, including high velocity water flows (gradient/embankment) as well as maintenance pressure washing. Renders the joints totally bonded against the growth of weed and grass spores.

Application Information

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

2 Ensure that RESIBLOCK '22'/A.F. 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 RESIBLOCK SQUEEGEE.

6 Accurate application rates are critical to ensure full joint stabilisation (typically 1 litre/2m² 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. Please contact our Technical Department re substrate drying times.

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 spillages/splashes, and all tools must be cleaned immediately with 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 | pass |
| AVGAS | <0.020 | 0.02 | pass |
| Diesel fuel | <0.020 | 0.02 | pass |
| Water | 0.022 | 0.05 | pass |

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

Skid Resistance

| Surface Tested | Pendulum Test Result |
|------------------------------------|----------------------|
| Concrete pavers - unsealed | 67 |
| Concrete pavers - RESIBLOCK sealed | 64 |

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/Elongation tests

| | 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 '22'/A.F. may be considered a hazardous material.

No smoking or naked flames to be allowed, as RESIBLOCK '22'/A.F. 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'/A.F. in the presence of foodstuffs. Once fully cured RESIBLOCK '22'/A.F. 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.

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