

Dura Shield P

High Performance, Potassium based concrete surface hardener

DESCRIPTION

Dura Shield P is a high performance, environmentally friendly, high solids, water based surface hardener based on Potassium silicates. These silicates penetrate deep into the concrete matrix, reacting with the calcium hydroxide within the concrete matrix, to harden the concrete surface and increase its abrasive resistance and reduces the absorption of liquids, making the concrete surface dust free and easier to clean.

Dura Shield P makes the concrete surface extremely dense and is the ideal product for use on commercial trowel finished floors subjected to high levels of vehicle & pedestrian traffic and for use in polishing concrete. The use of Dura Shield P is essential to produce a long lasting and durable flooring solution. A test sample should always be prepared and allowed to cure prior to proceeding.

PRODUCT FEATURES & BENEFITS

- Excellent penetration
- Environmentally friendly, **Low VOC**
- Strengthens and increases the life of concrete surfaces
- Minimises marking and makes the floor easier to clean
- Suitable for internal and external use
- Ideal for use on all concrete surfaces
- Easy to use, no dilution required

TYPICAL APPLICATIONS

Dura Shield P can be used in a variety of applications including car park & warehouse flooring or any commercial floor subjected to high levels of vehicle or pedestrian traffic and is the ideal product for use as a hardening agent for polished concrete.

APPLICATION RATES

For best results apply the Dura Shield P using a pump up sprayer at an application rate of 4-12 sqm/litre depending on the porosity of the concrete surface.

APPLICATION PROCEDURE FOR POLISHED CONCRETE

Dura Shield P should be applied after the completion of grinding & prior to grouting at 60 or 120 grit metal bond diamonds, for best results allow to cure overnight. Application should be by low pressure sprayer, apply liberally to the surface and spread evenly using a micro fibre mop to ensure no pooling of the product. Apply Dura Shield P again prior to grouting, the CONPELL polish grout should be applied while the surface is still damp from the application of Dura Shield P. Dura Shield P can then be applied again prior to using 50 & 100 grit resin pucks, but the surface must be allowed to dry prior to polishing with resin pucks.

VOC RATING

TVOC's calculated as the sum total of the VOC's of each individual raw material component.
The total VOC is 0.00 grams/litre.

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PERFORMANCE PROPERTIES

COLOUR	CLEAR LIQUID
FINISH	PENETRATING FILM
SPREAD RATE	4 - 8 SQM/LITRE
SPECIFIC GRAVITY	1.20KG/LITRE
DRY TIME	15 minutes - 1 HOUR AT 25°C
STORAGE PERIOD	24 MONTHS AT 25°C

PACK SIZES

Dura Shield P is available in 1000ltr, 200ltr & 15ltr containers.

APPLICATION OF PRODUCT AS AN ANTI-DUSTING AGENT

1. Always test the product on the substrate and allow to cure, to ensure the desired result will be achieved.
2. Do not clean the surface with hydrochloric acid (for cleaning procedures contact the manufacturer).
3. Apply product straight from the container (no dilution required).
4. The concrete surface should be allowed to cure sufficiently for a minimum of 14 days prior to the use of Dura Shield P.
5. Surface must be free of all excess moisture and contaminants prior to application of Dura Shield P.
6. Apply the product to the substrate using a low pressure sprayer to the point of saturation, ensuring the entire surface is coated in an even, consistent manner. The surface should remain damp for 5-10 minutes. If the surface dries within 10 minutes apply a second coat as required. Application rates must be adhered to.
7. Ensure no product comes in contact with surrounding areas.
8. Use a micro fibre mop or soft broom to spread the product evenly across the surface. After a minimum of 30-45 minutes remove all excess material with a white rag or mop.
9. Clean all tools with warm soapy water.

PRECAUTIONS

- Do not apply to wet surfaces.
- Protect surrounding areas from overspray, buildings, plants, drains etc.
- Wear suitable protective wear, solvent resistant gloves, protective clothing, safety goggles and organic vapour respirator.
- Protect sealed surface from moisture during application.
- **ANY CONCRETE SURFACES TREATED WITH DURA SHIELD P MUST BE MECHANICALLY GROUND PRIOR TO THE APPLICATION OF SEALERS OR GLUES ETC.**
- Avoid applying Dura Shield P in windy conditions.
- Not suitable for natural stones.
- Dura Shield P may slightly darken the concrete surface.
- Dura Shield P is designed to be used on good quality concrete surfaces, it will not repair badly damaged or disintegrating concrete.
- Apply Dura Shield P between 10°C - 35°C.

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STORAGE

- Keep Dura Shield P stored in a dry area, away from direct sunlight & frost.
- Store between 10°C & 30°C.
- Dura Shield P has a shelf life of 24 months in an unopened container.
- Ensure partly used drums are correctly sealed.

FIRE

Dura Shield P is non-flammable.

SAFETY PRECAUTIONS

- Wear appropriate protective equipment, including clothing, gloves, appropriate respiratory mask and goggles.
- If poisoning occurs, contact doctor or Poisons Information Centre.
- If contact with skin occurs, remove contaminated clothing and thoroughly wash skin.
- If swallowed do not induce vomiting, give a glass of water.
- If in eyes, hold eyes open and flood with water for at least 15 minutes then see doctor immediately.
- **For further information refer to the relevant Material Safety Data Sheet.**

IMPORTANT INFORMATION

The information and recommendations relating to Dura Shield P are given based on current knowledge and experience. Due to variances in material substrates and site conditions no warranties implied by law or, fit to purpose of the product can be implied. We accept no responsibility for loss or injury due to the incorrect handling or improper use of the product, limiting the cost of our liability to the replacement product cost only. Always refer to current Product Technical Data Sheets.

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