



White Knight

Floor Coat Plus Fact Sheet

White Knight FloorCoat Plus is a high performance, two pack, water-based coating for floors. This coating is a non-yellowing system available in either clear or pigmented finishes and a choice of Matt, Low Sheen or Gloss. Ideal for use on bare and painted concrete, particularly in areas of high wear and tear or heavy duty traffic. Part A must be mixed with Part B Hardener before use, see Mixing details.

Preparation

Thorough cleaning and etching of the concrete is extremely important to ensure adhesion of the coating to the substrate. Do not paint over damp concrete. The surface must be thoroughly cleaned, dry and free from dust, dirt, grease, oil, efflorescence (white salts), moss, mould and other contaminants. Remove all loose and flaking material. Repair and fill all cracks and damaged areas with appropriate exterior cement filler. Allow new concrete to cure for at least 4 weeks before coating. Wet surfaces should be allowed 5 days off weather to ensure they are properly dry. SMOOTH or STEEL FLOATED CONCRETE must be acid etched. Etching the surface produces a rough surface profile for the coating to adhere. Etch the concrete with White Knight Concrete Etcher, follow the instructions on the pack. After etching, it is essential to remove all loose residues before painting. This can be done by water blasting or scrubbing with a stiff bristle broom followed by thorough rinsing with a strong water jet from a garden hose before the surface dries. Ensure the etching has roughened the surface and created porosity. It should feel like #180 grade sandpaper. If not, repeat the etching process. Test for loose residue with adhesive tape. If cement or loose material is picked up on the tape, repeat the cleaning process. If loose residues persist, call White Knight Customer Service on 131 686 for further Technical advice.

CONCRETE SURFACES " PREVIOUSLY PAINTED Prepare surface as detailed above. Ensure that adhesion of the existing coating is sound as these may be sites of potential failure. (An easy way to check is to cut a small 'X' into the coating, rubbing a piece of adhesive tape over it and quickly ripping it off. Adhesion is sound if none of the coating is removed.) If in doubt remove the entire coating back to the concrete base. Water-based acrylic based paint can be coated directly. When painting over oil-based paint, sand thoroughly to ensure maximum adhesion.

WEATHER CONDITIONS Do not use when the air or surface temperature is below 10°C or above 35°C or when the humidity is greater than 80% during application and drying. Do not apply to damp surfaces or when rainfall is imminent, as moisture contamination will prevent the curing process resulting in a soft finish.

MIXING RATIO Incorrect mixing ratios will result in coating failure. Stir Part A thoroughly with a broad, flat stirrer in a circular lifting motion before adding Part B. Mix 2 Parts A : 1 Part B by volume. Add Part B and stir for 5 minutes. Stir at regular intervals during application. When mixing Part A and Part B in quantities less than the pack size, use a calibrated container or ruler to ensure the correct mixing ratio DO NOT RESEAL CONTAINERS OF CATALYSED PRODUCT " DANGER OF EXPANSION. POT LIFE 1 hour maximum. Do not use product after pot life has been exceeded.

Application Details

For bare concrete, thin the first coat with 10% with water to aid penetration. Apply two even coats, 100 microns wet film thickness each coat, by either by brush, roller or spray. Highly porous surfaces may require an additional application. Do not apply 200 microns WFT all at once as the film will remain milky. Barloworld Coatings (Aust) Pty Ltd

Drying Times

Touch dry in 4 hours. Recoat after 4-6 hours (mix fresh product). Re-key after 7 days. Hard dry 24 hours, full cure 7 days. Drying times may be extended in low temperature and high humidity.

CARE OF NEW PAINT WORK Avoid exposure to steam and condensation for 48 hours after painting

Clean Up

Clean brushes and equipment immediately with water

Coverage

Up to 10 square metres per litre, per coat, depending on the nature of the surface. CARE OF NEW PAINT WORK Avoid exposure to steam and condensation for 48 hours after painting.

Health and Safety

THIS PRODUCT IS ISOCYANATE CATALYSED and the necessary precautions must be observed when handling this material. KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes, wear safety goggles. Avoid contact with skin, wear safety gloves. Avoid vapour (or) spray mist. Ensure adequate ventilation. For spray application and working in confined areas, wear a positive pressure air supplied respirator. FIRST AID If swallowed: Do not induce vomiting. Drink plenty of water and seek medical advice. Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and seek medical advice. If skin contact occurs: Remove contaminated clothing and wash skin thoroughly with soap and water. If overcome by fumes: Remove to fresh air. Apply artificial respiration if breathing has stopped. Seek medical attention. For 24 hour medical emergency response in Australia call 1800 807 001, New Zealand call 0800 600 020. PROTECT OUR ENVIRONMENT Do not pour unwanted paint down the drain. Keep unwanted uncatalysed paint in sealed containers for disposal via special chemical waste collections. Solidified catalysed paint may be disposed of as non-hazardous solid waste. Empty paint containers should be left open in a well ventilated area to dry out. When dry, paint may be disposed of as non-hazardous solid waste.

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local authorities. Check with your local council first. PROVIDE ADEQUATE VENTILATION DURING USE AND WHILE DRYING. If you have any comments or questions on the White Knight range or want more information we are here to help.

Contact Us

Customer Care Advisers

Phone 131 686
Fax 1800 676 756
Opening Hours: Mon-Fri 8am to 7pm EST, Sat/Sun 9am to 4pm EST
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