



WB2K

Two component, waterborne epoxy primer, sealer & moisture barrier.

DESCRIPTION

WB2K is a two component epoxy sealer that combines the excellent adhesion and toughness of epoxy resins with the advantages of a water based formula.

WB2K is formulated for use as both a positive and negative side moisture barrier, an abrasion resistant floor sealer and as a surface primer for other Crommelin® waterproofing membranes.

ADVANTAGES

WB2K delivers the following advantages;

- Tough impervious coating.
- Highly waterproof – for both positive and negative side waterproofing.
- Controls rising damp prior to the application of waterproofing membranes, floor finishes and other coatings.
- Low sheen /semi gloss finish.
- Excellent adhesion to damp and dry surfaces.
- High chemical, oil, fat, and solvent resistance.
- Non-toxic, non-flammable and easy clean up.
- Easy to apply by brush, roller or spray.

AREAS OF USE

WB2K is suitable for use in the following areas;

- Basements & Tunnels
- Foundations
- Retaining Walls & Planter Boxes
- Water Retaining Structures
- Concrete Floors
- Workshops
- Balconies & Podium Decks
- General Concrete Protection
- Moisture Vapour Barrier under Timber Floors
- Food Processing Areas

SUBSTRATES

WB2K is suitable for application on;

- Concrete
- Cement Render
- Brick & Block Work
- Wet Area Gyprock
- Metal
- Wet Area Fibre Cement
- Plaster
- Wet Area Particle Board
- Scyon

TESTING APPROVALS AND STANDARDS

WB2K is compliant with the following standards;

- APAS 181 – V.O.C. limits.
- Green Star - Design & As Built v1.1: Indoor Pollutants 13.1 Paints, Adhesives, Sealants and Carpets.

TECHNICAL DATA (@ 25°C)

Number of Coats:	2
Mix Ratio:	1:1 by volume
Coverage: (per coat)	5-7m ² /L
Wet Film: (per coat)	150 – 200 microns
Recoat:	4-6 hours
Light Foot Traffic	2-3 days
Full Cure:	7 days
Colour:	Light Grey
Clean Up:	Crommelin® HD Cleaner
Shelf Life:	9 months

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ANCILLARY PRODUCTS

- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin® Contractor Membrane Roller Cover – 230mm
- Crommelin® Moisture Meter

TEST DATA

Salt Resistance:	Excellent
Hot Water Resistance:	Excellent
Abrasion Resistance:	Excellent
Solvent Resistance:	Fair
SKYDROL Resistance:	Good
Acid Resistance:	Good (low concentrate)
Alkali Resistance:	Good
VOC Content:	48g/L
Volume Solids Content:	42% V/V
Hydrostatic Pressure Resistance:	210kPa for up to 36 hours (20.7m head of pressure)

SUBSTRATE PREPARATION AND PRIMING

Full substrate preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Surfaces must be clean, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants.
- Surfaces may be dry or damp (not saturated with standing water).

Note: Do not apply to substrates with a moisture content higher than 30%.

- The surface should have a light even texture. Masonry should be flush pointed and all defects in existing surfaces made good.
- All high points and protrusions should be removed, blow-holes and areas of honeycombing should be filled and the surface should be brought back to an even profile using a suitable repair mortar.
- Voids may be filled using a mix of 1 part WB2K to 4 parts clean fine sand.

Note: Due to the wide variety of substrates available, adhesion testing is recommended in a trial area before full application.

APPLICATION CONDITIONS

- Pot life between 25 – 45 minutes, dependent upon temperature and humidity, do not use after this time as curing will occur but not appear obvious.
- Application temperature must be between 10°C - 25°C.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

Note: When applying internally or in humid conditions, air flow should be maximised with the use of fans to assist cure.

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MIXING

- WB2K is supplied in 2 pre-measured components.
- It is always recommended to mix full kits.
- If part kits are mixed, ensure that components are accurately measured to maintain a 1:1 by volume mix ratio.
- Always mix WB2K in a clean container, large enough to accommodate the full kit.
- Only mix enough material that can be placed within pot life relevant to conditions.
- Mixing should be done with a mixing drill and mixing blade.
- Mix part A and part B separately for 1 minute.
- Add equal parts by volume of part A and part B to mixing vessel and mix for at least 3 – 4 minutes until a homogenous light grey liquid is achieved.

Note: Poor mixing or inaccurate mixing ratios will result in variable cure, less than optimum hardness and reduced over all performance.

APPLICATION

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- Apply by brush, roller or airless spray.
- Apply first coat, ensuring application rate is as per recommended coverage rates and a consistent coating is achieved.
- Allow first coat to cure for at least 4 – 6 hours.
- Apply second coat, as per recommended coverage rates.
- Allow to achieve full cure before exposure to moisture or traffic.
- Allow to cure for 24 hours before over coating with waterproofing membranes or other compatible coatings.

Note: If multiple kits are to be applied, ensure each new kit is prepared in a clean mixing vessel. Roller covers must be cleaned or replaced with every new batch. If not, old mixed material from previous batch may contaminate the new batch and effect performance characteristics.

Note: Do not apply solvent based adhesives or sealants until WB2K has reached full cure.

CLEAN UP

- Uncured material may be removed with warm water and detergent.
- Cured material may be removed mechanically.
- Cured material may be softened by soaking in Crommelin® HD Cleaner before attempting removal.

MAINTENANCE, RECOATING AND REPAIR

WB2K must be protected from damage by after trades and inspected prior to the application of any over coat.

PRECAUTIONS

- Always ensure that substrate moisture content is within acceptable parameters.
- Do not apply during periods of extreme weather conditions.
- Mixing ratios must be accurate at a rate of 1:1 by volume.
- Mix as per instructions to achieve an homogenous material.
- Ensure adequate air flow to optimise curing.
- Wear gloves and eye protection during mixing and application.

WARRANTIES

Please contact your Crommelin® representative, or the Crommelin® technical support team for detailed specifications applicable to your project and warranty requirements.

TRANSPORT AND STORAGE

- | | |
|-------------------------|------------------------|
| • Size: 8L Kit, 20L Kit | • Weight: 10kg, 25kg |
| • DG Class: N/A | • Flash Point: N/A |
| • UN Number: N/A | • Cool and Dry Storage |

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SAFETY AND FIRST AID

WB2K Safety Data Sheet is available from Crommelin® upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin® also reserves the right to update information without prior notice, to reflect ongoing research and product development.
