Bond for Life.®

Technical Data Sheet

SiegelProof PRO2K



High Performance 2K Epoxy Moisture Barrier

Product Description

SiegelProof PRO 2K is a high-performance two-component epoxy sealer and moisture barrier. This formula provides high adhesion and long-term film strength to protect against rising damp, abrasion and both positive and negative water pressure.

Product Advantages

- SiegelProof 2K is a high-performance water-based 1:1 epoxy system.
- SiegelProof 2K is a tough, impervious barrier with high chemical, oil and solvent resistance.
- SiegelProof 2K has very high adhesion to both damp and dry subfloor surfaces.
- SiegelProof 2K is non-toxic, non-flammable and easy cleanup.
- SiegelProof 2K is highly waterproof for both positive and negative side pressures.
- SiegelProof 2K is easy to apply by brush, roller and spray application.
- SiegelProof 2K is a low sheen / semi-gloss finish.

Application

SiegelProof 2K is a hand or spray-applied barrier for use on basements, tunnels, foundations, retaining walls, planter boxes, concrete floors, food processing areas, under timber floors, and for water retention structures.

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Technical Information

Type	Two Component Epoxy Primer and Coating
Colour	Light Grey
Mix Ratio	1:1 by volume
Coverage	5-7m2 / L
Wet Film	150 -200 microns
Shelf Life	12 months
Recommended Coats	2 Coats
Recoat	4 – 6 hours
Light Foot Traffic	2-3 days
Full Cure	7 days
Maximum Residual Humidity	Up to 100% R.H. or 30% insitu
Kit Size	20 Litre
VOC content	ASTM D-2369 50g/L (low)
Application Temperature	+5°c - +35°c
Hydrostatic Pressure Resistance	210kPa for 36 hours (20.7m head pressure)
Solids Content	42% V/V
Acid Resistance	Good (low concentrates)
Alkali Resistance	Good
Abrasion Resistance	Excellent
Solvent Resistance	Fair
Salt Resistance	Excellent
Hot Water Resistance	Excellent

Surface Preparation

- Surface must be clean, dry, 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).
- 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 bought back to an even profile using a suitable repair mortar.
- Voids may be filled using a mix of 1 park SiegelProof 2K and 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.

Mixing

- SiegelProof 2K is supplied in 2 pre-measured components.
- If part kits are mixed, ensure that components are accurately measured to maintain a 1:1 by volume mix ratio. Always mix SiegelProof 2K in a clean container, large enough for the full kit.
- Only mix enough material that can be applied within the pot life of the relevant conditions.
- Mixing should be done with a mixing drill and mixing blade.
- Mix part 1 and part 2 separately for 1 minute.
- Add equal parts by volume of part 1 and part 2 to the 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 a variable cure, less than optimum hardness and reduced overall performance.

Application Direction

- Apply by brush, roller or airless spray.
- Apply the first coat, ensuring the application rate is as per recommended coverage rates and a consistent coating is achieved.
- Allow the first coat to cure for at least 4-6 hours.
- Apply the second coat as per the recommended coverage rates.
- Allow to achieve full cure before exposing to moisture or traffic.
- Allow to cure for 24 hours before overcoating with membranes, timber flooring or other 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.
- Note: Do not apply solvent-based adhesives or sealants until SiegelProof 2K has reached a full cure.

Health & Safety

Health and Safety: Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. Users must first read the Safety Data Sheet. Users should familiarize themselves with all the safety aspects of the product prior to usage.

Product Disclaimer

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone our Customer Service Centre on AU (02) 4858 1771 or NZ (09) 951 9552