

MoistureEze

Single Component Moisture Curing Solvent Free Polyurethane Vapour Barrier & Primer

Product Description

MoistureEze is a moisture curing polyurethane primer and surface membrane which is single component, non-flammable and solvent free. This sealer is engineered as a moisture vapor barrier for cement-based substrates including green slabs that are not subject to rising damp and have a residual humidity content up to 95% RH (ASTM F2170).

MoistureEze is vapor barrier and does not guarantee against Hydrostatic Pressure or Rising Damp. While moisture testing may indicate acceptable moisture ranges for application of MoistureEze, it may not indicate whether Hydrostatic Pressure is present. If Hydrostatic Pressure is evident or a moisture barrier is required, we recommend the use of MoistureEze Two Part Moisture Barrier.

Product Advantages

- **MoistureEze** is a single part system requiring no ratio mixing.
- **MoistureEze** is rapid drying with fast recoat and job times.
- **MoistureEze** is solvent free, odourless and is non-flammable.
- **MoistureEze** has a very low VOC emission rate.
- **MoistureEze** is moisture curing, meaning no activator is required.
- **MoistureEze** has excellent adhesion to most substrates including green concrete.

Applications

MoistureEze can be applied onto concrete substrates as a Polyurethane Primer and Green Slab Sealer Vapour Barrier. It rapidly cures to a tack free film allowing the subsequent application of coverings approximately 2 hours after initial application.

Technical Data

Sealer Type	Moisture Cure Polyurethane	One Component
Colour	Light Brown	
Density	1.20-1.24	(g/cm ²)
Maximum Residual Humidity	Up to 95% R.H.	
Viscosity (23°C)	100 cps	
Dry Solids	100%	
VOC content	5-49g/L	
Water Vapour Trans. Rate	<10g/m ² / 24 hours	ASTM E96
Shelf Life	12 months	When unopened
Application Temperature	+5°C - +35°C at <95% R.H.	
Time Between Coats	Minimum 40 minutes	Maximum 2 hours
Time before laying adhesive	Minimum 2 hours	Maximum 48 hours
Final Hardening Time	2 hours	
Tack Free Time	30-40 minutes	
Foot Traffic Time	60 minutes	

Surface Preparation

- All surfaces to be sealed and should be dry, smooth, absorbent, sound and clean.
- Subfloors must also be free of wax, grease, paint, previously used adhesive, polish, and any other impurities that may affect adhesion.
- Any previous coatings or curing compounds must be removed as substrate must be porous. All concrete subfloors must be assessed for moisture. Relative humidity readings should be determined as per ASTM F2170.
- MoistureEze must not be used on floors where the relative humidity readings are greater than 95% RH (In- Situ)
- If moisture levels exceed these readings, we recommend the use of MoistureEze Two Part Moisture Barrier.
- Ideally, we recommend subfloors be mechanically prepared by way of either grinding, shot blasting or sanding to achieve a roughened, absorbent/ porous surface that the MoistureEze can key into satisfactorily. Note that mechanical surface preparation is subject to the experience and knowledge of the contractor and the condition and porosity of each specific surface.
- Any previous coatings or curing compounds must be removed as substrate must be porous. It is recommended a test area must be carried out on the surface that has been prepared to ensure suitable floor preparation has occurred and adhesion of the MoistureEze to the substrate is acceptable.
- The minimum recommended subfloor temperature before commencing surface preparation and application is 10°C.

Application Direction

Consumption Rate: Approximately 200 grams /m² per coat. When applied should be used at a consumption rate of up to approximately 200g/m² which is 5 sq meters per litre to provide adequate film thickness. A 10kg pail should cover up to approximately 50m². Coverage will vary depending on the porosity of the surface and method of application.

- Subfloor must be absorbent. If the subfloor is not absorbent do not proceed with the application.
- Apply one even thin coat with a short nap roller with a pile height of no less than 5mm, Flat Trowel or Squeegee.
- Please ensure a thin uniform coat is applied to avoid minor puddles and minor foaming.
- Care and consideration should be taken to ensure the material is applied to the entire surface of the subfloor. For highly absorbent floors a second coat may be required.
- The second coat should be applied in the opposite direction to the first coat (North South- East West) Allow to cure for a minimum of 2 hours before recoating.
- Do not allow any traffic on the applied MoistureEze for minimum 2 hours.
- Care and consideration should be taken to ensure coating is not damaged particularly that the film is not perpetrated, or its integrity compromised at any time.

- Subsequent application of primer or adhesive should not exceed 24 hours after application

Levelling Compounds

- If the substrate needs levelling or a water-based adhesive is to be applied, a minimum 3mm thickness of cementitious smoothing and levelling compound must be applied over MoistureEze. Allow approximately 2 hours for the MoistureEze Barrier to cure before application.
- MoistureEze is approved for use in conjunction with all common brands of levelling compound.
- We recommend MoistureEze is applied over the levelling compound, and two coats is applied when the leveling compound is greater than 10mm in thickness.
- Direct timber flooring installations on substrates treated with MoistureEze must be carried out using WoodEze MS flooring adhesive at least 2 hours after application but no more than 48 hours (maximum 48 hours and maximum of 24 hours for levelling compounds). After 48 hours the membrane must be keyed by light sanding ensuring the film is not punctured otherwise must apply another coat of MoistureEze.

Notes & Precautions

- Once the drum is opened all contents should be used within 48 hours of opening, taking care to reseal the drum during this time.
- Store drums in a cool dry place between 5°C and 30°C.
- Curing times can be extended when applied in cold ambient temperatures.
- Do not allow to come in contact with water during the curing process
- Internal use only
- Do not dilute with water or solvents
- Apply product in an even amount, ensure no pooling or puddling during application as this will result in foaming.
- Do not apply onto Wet surfaces or in the presence of Rising Damp
- Not recommended as a water and vapour proofing membrane and not guaranteed against hydrostatic pressure.

Safety & Handling

- Wear suitable respiratory protection.
- Use in well ventilated areas. Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink or smoke while using this product.
- Take off contaminated clothing and wash before reuse.
- If on skin wash with plenty of soap and water.
- If in eyes: rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do. Continue rinsing.

- If inhaled remove the affected person to fresh air and keep at rest in a position comfortable for breathing.
- If any skin or eye irritation persists or you feel unwell get medical attention.

Safety Data Sheet is available upon request.

Product Disclaimer:

Since the use and application of this product is beyond our control, Woodcrete cannot be held responsible for product field performance if all application recommendations are not adhered to. If all application directions are adhered to, this produce will provide declared performance for the expected life of the floor. 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 any cases of possible concern, it is recommended that the customer conducts their own testing and accordingly determine, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone customer support on (03) 9561 9711.

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