

Forteko **Quality Adhesives**



- 1 K Moisture Barrier
- Fast Curing
- Solvent Free
- Not Affected By Water When Cured
- No Mixing Required
- Zero VOC
- Easy To Apply
- Great Coverage



Specifications

Raw material base: Polyurethane resin

Type: 1 K polyurethane roller applied penetrating moisture barrier

Color: Brown Liquid

Odor: None

VOC Content: 0 g/l US regulatory

Working Time: Approx. 30-60 minutes (depending on humidity)

Cure Time: 24 hours (depending on humidity)

Cleaning agent: Mineral spirits on a clean white cloth or other specific products

Shelf Life: 18 months in unopened container at 70°F / 21°C, not below 40°F / 5°C

Freeze/thaw stable: Yes.

Unit Size: 2.5 gal.

Unit Weight: 2.5 gal.: 25.6 lbs. ea.

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PRODCUT DESCRIPTION

Moisture Barrier P220 is a single-component polyurethane primer designed with a focus on minimizing volatile organic compound (VOC) emissions. Moisture Barriere P220 serves a versatile role in the treatment of various surfaces, particularly cement subfloors.

P220 is highly recommended for its efficacy as an anti-dust agent, superficial consolidator, and Damp-Proof Membrane (DPM) when applied to cement subfloors. In addition to its application on cement, this sealer is also recommended as an anti-dust treatment for anhydrite and heated subfloors.

This versatile solution is well-suited for the consolidation of aging wooden flooring and plays a pivotal role in the preparation of synthetic mortars with a thickness of less than 20mm. Its adaptability and multi-functional attributes make it an ideal choice for a range of applications, ensuring optimal performance and longevity in diverse flooring scenarios.

DIRECTIONS FOR USE

1. **Surface Preparation:** Thoroughly clean the subfloor to be treated, ensuring the complete removal of any oil, grease, wax, or paint spots. Additionally, the subfloor must be free from cracks.
2. **Application of Moisture Barrier P220:** Apply a single coat of P220 using a 6/8 mm roller or a 3x13cm or 4x14cm flat brush. Ensure an even and regular application, targeting a quantity of approximately 120-150 g/m². It is crucial to create a thin film, avoiding any pooling that could compromise drying time and the hardening of reactive resins adhesives.
3. **Bonding Process:** The subsequent bonding process must be initiated after 45-50 minutes but within 24 hours of applying the P220. Utilize only reactive adhesives for this purpose, such as Forteko Trowel Glue G220, Forteko Sausage Glue S220.
4. **Levelling Compounds Application (if necessary):** If levelling compounds are to be applied or the bonding is performed after 24 hours from the last coat, evenly scatter QUARZO (0.8 mm ÷ 1.2 mm) across the entire surface while the Moisture Barrier is still wet. After complete curing, use a vacuum to remove any loose quartz.
5. **Post-Bonding Surface Treatment (if no quartz used):** If bonding is done after 24 hours and no quartz has been applied, sand the surface using a mono-disc machine equipped with 36-40 grit sanding paper.
6. **Product Handling:** Ensure not to pour any leftover product back into the original package. Dispose of excess material responsibly.

Gypcrete

For gypcrete, Forteko recommends a minimum strength of 2500 psi. While one coat of P1000 primer can be applied, we suggest conducting a test to determine if a second coat is necessary for additional reinforcement. If a second coat is applied, it should be applied in the opposite direction to the first coat. We recommend testing because gypcrete can be quite porous, which may require extra strengthening, and the installed psi could be lower than the specified value.

IMPORTANT

1. **Temperature and Humidity Conditions:** Ensure that processing occurs not below a floor temperature of +15 °C (59 °F) and room temperature of +18 °C (65 °F). Maintain room humidity between 40% and 65%, with a maximum limit of 75%. All information provided is based on approximately 20 °C (69 °F) and 50% relative air humidity.

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2. **Compatibility and Restrictions:** Do not use the P220 on floor coverings such as PVC, CV, rubber, or linoleum flooring.
3. **Impact of Humidity and Application Quantities:** In cases of low humidity or higher application quantities, be aware that this may extend the drying time of the reaction resin primer. Ensure the surface is no longer adhesive before proceeding with further work.

QUALITY ASSURANCE

We guarantee the uniform high quality of our products, backed by extensive tests and many years of practical experience. However, individual construction site conditions and the variety of materials used may impact performance. Therefore, claims based solely on provided data are not supported. We strongly recommend conducting sufficient trials to ensure compatibility.

TECHNICAL DATA SHEET

Aspect:	Brown liquid
Viscosity (@20°C):	20 – 25
Approximate coverage (g/m2):	120 – 400 600 – 800 SQF per Can.
Pot life (minutes):	20 – 25
Dry time before walking on surfaces:	1 – 3
Hours required for laying:	3 - 5
Final hardening (days):	1 - 2
Application temperature (°C):	+15 (59 °F) - +25 (77 °F)
Application/Tools:	Roller, brush
Tool cleaning:	SE, when the product is still fresh.
Removal of product:	SE, when the product is still fresh.
Storage (months):	18
temperature +5°C(41 °F) & +25°C(77 °F)	
Information on disposal:	Dispose of product in accordance with local and national laws
Packaging:	2.5 Gallon Can
	Only use our adhesives such as Forteko Trowel Glue G220, Forteko Sausage Glue S220.
Limitation of us:	Always use adequate personal protective equipment.
	Do not apply it in damp areas.
	Make sure the temperature of the product is 20°C (68 °F) before applying.

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There are no express or implied warranties, including warranties of merchantability and/or fitness for a particular purpose. Buyer's remedies are limited to replacement or refund of the purchase price. Manufacturer assumes no liability for injuries, incidental or consequential damages. User shall determine suitability of product for intended use.

The information and recommendations in this data sheet are guidelines for application and are not to be construed as a guarantee. In all cases it is the responsibility of the user to determine if the product is suitable for the purpose and complete a successful application. Forteko can only guarantee the delivered product. If the user is in doubt, we would recommend a preliminary onsite test. Please ensure you have read and understood all information on the labels and in the safety data sheets before using this product. This data sheet replaces all previous versions.

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