



ACTFLEX MB200.

Technical Data Sheet

ONE-COMPONENT PU FAST-DRYING PRIMER & MOISTURE VAPOR RETARDER

Description

ACTFLEX MB200 is a high-performance, pure polyurethane resin primer designed as a fast-drying, single-component moisture vapor retarder and bonding primer. It enhances substrate strength, seals surfaces, and provides moisture barrier protection. Suitable for interior and exterior applications.

Features

- Fast drying and curing turnaround
- Strengthens and seals substrates
- Effective moisture barrier system
- Excellent surface coverage and penetration
- Solvent-free and low VOC
- Easy to apply with roller
- Suitable under timber floors and resilient systems

Areas of Application

- Concrete and cementitious subfloors (with low residual dam)
- Ceramic, terrazzo, and natural stone substrates
- Well-bonded adhesive or leveling compound residues
- Approved for use beneath timber flooring

Technical Data

Colour	Light yellowish	Recoating Interval	1–4 hours depending on substrate absorbency
Packaging	20 kg (kg ≈ 18 L), 10 kg (≈ 9 L), 5 kg (≈ 4.5 L), 1 kg (≈ 0.9 L)	Foot Traffic Ready	After ~ 4 hours
Shelf Life	24 months (unopened, stored dry, frost-free)	Full Cure	~ 4 hours
Density	~1.10–1.15 g/cm ³ (approx. 1.1 kg/L)	Coverage/Consumption	~250 g/m ² per coat (≈ 0.225 L/m ²)
Viscosity	~600–800 mPa·s @ 23 °C	Coverage per kg	~4 m ² /kg
Solid Content	~100% (solvent-free)	Coverage per litre	~4.4 m ² /L
Application Temperature	+5 °C to +35 °C	Moisture Barrier Resistance	Up to 98% RH when applied in 2 coats (criss-cross)
Service Temperature Range	–40 °C to +80 °C once cured		
Drying Time (20°C/65%RH):			
Absorbent Substrates	60-90 min		
Dense Substrates	60-150 min		

Coverage Estimates

Packaging Approx. Litres Coverage @250 gm/²

20 kg	≈ 18 L	≈ 80 m ²	5 kg	≈ 4.5 L	~20 m ²
10 kg	≈ 9 L	~40 m ²	1 kg	≈ 0.9 L	~4 m ²

Application Instructions

- Substrate Preparation**
Substrate must be structurally sound, dry, and free from dust, grease, laitance, weak layers, or contaminants. All loose or friable material must be removed by mechanical means (grinding, shot-blasting, or sanding) and thoroughly vacuumed.
- Mixing / Stirring**
Stir contents thoroughly before use until a uniform consistency is achieved. Do not dilute.

- **Application**
Apply an even coat using a fine-pored foam or velour roller, working in cross strokes to ensure full coverage. Avoid puddling or uneven film build.
- **Moisture Vapor Retarder (MVR)**
Apply two coats crosswise, ensuring each coat forms a thin, continuous film. Allow the first coat to dry fully before applying the second. *Always confirm coating specification and number of coats with your Forspec representative.*
- **Sand Broadcast (Optional for leveling adhesion)**
While the final coat is still wet, broadcast kiln-dried

quartz sand (70–140 mesh) at 0.5–1.0 kg/m². Once cured, remove all loose, unbound sand before proceeding with the next system layer.

- **Without Sand Broadcast**
If sand broadcast is not applied, the next coating or leveling layer must be applied within 48 hours. If exceeded, the surface must be mechanically reactivated or reprimed.
- **Subsequent Work**
Direct bonding, screeds, or leveling compounds may only be installed after the primer is fully cured and within 48 hours of application.

Limitations

- **Substrate Preparation**
Substrate must be structurally sound, dry, and free from dust, grease, laitance, weak layers, or contaminants. All loose or friable material must be removed by mechanical means (grinding, shot-blasting, or sanding) and thoroughly vacuumed.
- **Mixing / Stirring**
Stir contents thoroughly before use until a uniform consistency is achieved. Do not dilute.

Storage & Handling

- Store in original sealed packaging.
- Protect from frost, heat, and direct sunlight.
- Shelf life: 24 months in dry conditions.

Safety

- Wear protective gloves and eyewear.
- Ensure adequate ventilation during use.
- Avoid contact with skin and eyes.
- Refer to Safety Data Sheet (SDS) for further information.

Data Sheet

This Technical Data Sheet (TDS) and Material Safety Data Sheet (SDS) are subject to revision as necessary to ensure compliance with relevant Australian Standards and incorporate technological advancements. It is crucial to read the most current versions of the SDS and TDS before use, as application and performance data may be updated. For the latest technical information, please contact Forspec Protective Coatings at (02) 8021 3517 or email info@forspec.com.au to request a copy. The information provided is representative but does not serve as a comprehensive specification. For specific projects, we recommend consulting directly with the company for tailored specifications.

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