

M625 SELF-LEVELING

Technical Data Sheet

PRODUCT DESCRIPTION

M625 Self-Leveling is a quality self-leveling composed with premium binders, assorted aggregates, and functional additives. It is highly liquid and levels uneven subfloors to ideal flatness to receive floor coverings. PA25 can level with a minimum thickness of 5mm and a maximum thickness up to 25MM. After being properly cured, it provides a strong and durable surface for installation of various vinyl floorings, engineered wood floorings, and large-format tiles.



FEATURE

- Easy leveling of uneven substrate
- Low shrinkage, crack-resistant
- Application thickness up to 25MM
- Water- and moisture-resistant after cured

SUITABLE SUBSTRATE

- Absorbent concrete
- Cementitious screeds
- Non-absorbent substrates (with suitable primer)
- Underfloor heating systems (as backfill)

SUBSTRATE PREPARATION

1. The substrate must be structurally sound, clean, dry, and free from grease, oil, dirt, dust, curing compounds, waxes, sealers, or any bond-breaking contaminants.
2. Mechanical methods such as grinding or sanding shall be used to remove loose dust and contaminants to achieve the required surface profile.
3. Concrete must be fully cured (28 days) and treated for any hydrostatic moisture, rising damp, or construction moisture as required.
4. Smooth or non-absorbent surfaces (e.g., glazed tile, polished stone) must be roughened or scarified to promote adhesion.
5. To ensure proper adhesion, the substrate should be treated with an appropriate primer.

PRODUCT APPLICATION

1. Pour 5 liters of clean water into a clean mixing container.
2. Slowly add one 25 kg bag of M625 Self-Leveling powder into the water and mix mechanically with a suitable drill and paddle.

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2. Slowly add one 25 kg bag of M625 Self-Leveling powder into the water and mix mechanically with a suitable drill and paddle.
3. Continue mixing for 3–5 minutes until the mixture is completely lump-free and uniform. Avoid overmixing.
4. Immediately after mixing, pour the product out and spread it to the desired thickness using a spreader or gauge rake.
5. Before initial setting, use a specialized defoaming roller to remove entrapped air from the slurry to ensure uniform thickness.
6. All operations should be completed within 20 minutes. Maintain a wet edge to ensure a seamless finish.
7. Prevent direct sunlight, wind blowing, and rain droplets during application and initial curing.

TECHNICAL CHART

Packaging	25kg/bag
Mixing Ratio	5 L of water per bag
Application Thickness	5-25 mm
Consumption	1.75 kg/mm/m ²
Fluidity	> 130 mm
Open Time	>20 minutes
Completely Dry	After 24-48 hours
Compressive Strength	>25 MPa (28days)
Flexural Strength	>4 MPa (28days)

Note: Test results are carried out at 23°C and 50% ambient RH; product performance will vary according to onsite conditions.

PRODUCT LIMITATIONS

1. M625 Self-Leveling is intended for interior use only.
2. Do not apply over unstable subfloors (deflection exceeding L/360) or loosely bonded old floor coverings.
3. Avoid application when ambient temperature is below 5 °C or above 35 °C during application and initial curing (first 24 hours).
4. Mixing water temperature should be between 10 °C and 30 °C.
5. Do not use on sloped surfaces requiring drainage.
6. The product contains cement. Wear appropriate personal protective equipment (PPE) during handling and application.
7. This product reacts with water to produce a highly alkaline substance. Avoid contact with skin and eyes. In case of contact, rinse immediately with water. If injury occurs to the skin or eyes, seek medical attention without delay. Once hardened, the product will not have any harmful effects on health or the environment.

PRODUCT MAINTENANCE

Properly installed M625 Ultra-Strong Cementitious Self-Leveling requires no special maintenance. It is not recommended to be used as a finished wear surface. If used as a wear surface, apply a properly selected curing agent, sealer, or coating to increase durability and stain/wear resistance.

PACKAGING 25kg (55lbs) Paper-Plastic Valve Bag

COVERAGE REFERENCE *Estimated at 1.75 kg/m²/mm; assuming per 25kg (55lbs) pack of M625 Self-Leveling:*

Thickness	Coverage
5 mm	2.86 m ² (31 ft ²)
12 mm	1.23 m ² (13.2 ft ²)
25 mm	0.6 m ² (6.5 ft ²)

Note: Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

STORAGE & SHELF LIFE

The shelf life of M625 Self-Leveling is 9 months from the date of manufacture when stored in a cool, dry location (23°C, 45% RH) and the product is kept in its original, unopened, and stretch-wrapped packaging. Do not stack over 1.5 tons of material on top of each pallet.

** Prolonged storage may affect application performance, typically causing a slight decrease in flowability and potentially lower final strength. For best results, it is recommended to use the product as early as possible within its shelf life.*

EXECUTION STANDARD

JC/T 985-2017 Cementitious Self-Leveling Compound For Floors

SAFETY INFORMATION

PLEASE READ THE SAFETY DATA SHEET THOROUGHLY PRIOR TO APPLYING THE PRODUCT

Ensure suitable PPE (Personal Protective Equipment) such as protective gloves, respiratory, face, skin and eye protection are worn at all times while handling this product. Avoid breathing dust, fumes, gas, mist, vapors or spray. Avoid contact with eyes and skin. If this product comes in contact with skin, rinse with soap and plenty of water. If the product comes in contact with eyes, wash out immediately with water. Ensure adequate ventilation during mixing and application. Wash contaminated clothing before reuse. Keep out of the reach of children. Call a doctor if you feel unwell. Safety Data Sheet (SDS) is available on request.

TECHNICAL SERVICES

Adhere to all product limitations, and if unsure about a particular application, contact Morient Mortar at:

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