



Self-Leveling Underlayment

PRODUCT INFORMATION SHEET

PRODUCT DESCRIPTION

Betonit Self-Leveling Underlayment (SLU) is a special cement blend that is mixed with water to produce a free-flowing underlayment.

For use in rapid leveling of substrate floors of up to 10mm thickness. It provides a durable, flat, and smooth surface with minimum labor and installation time. Once hardened, it produces an ideal smooth and flat surface underlayment in preparation for topping with most preferred coverings such as vinyl tiles, wood parquet, linoleum, carpet, etc.

USES

- For leveling of interior substrate floors made of concrete, tile, stone and fiber cement boards
- Ideal for renovation, as well as new construction in both residential and commercial application.
- Betonit Self-Leveling Underlayment is not recommended in exterior use due to difficulty in controlling wind and sun conditions.

ADVANTAGES

- Excellent level, flat, and smooth surface
- Minimum labor and installation time
- Can be applied from 1mm up to 10mm thickness in one pouring
- Pre-mixed mortar powder eliminates jobsite errors; Just add water on site.
- Free-flowing; just spread with a trowel or spike roller application
- Fast-setting; can be walked on after 2 hours
- Superior crack resistance due to low shrinkage property
- Compatible with most preferred coverings like ceramic tiles, stone, carpet, linoleum, overlayment, etc.

TECHNICAL DATA

Flow	0 min	150mm
	10min	150mm
	Flow Time	≤20m
Setting Time	Initial Set	50m
	Final Set	60m
Compressive	28 days	18 Mpa

SURFACE and SITE PREPARATION

- Proper preparation of the surface is a very important factor in achieving a good bond between the substrate and the underlayment.
- The method to properly prepare the substrate vary with the type of substrate, its surface and condition.
- Surfaces must be structurally sound, clean and free of dust, oil, grease and any bond breaker.
- Concrete substrate floors should be cured at least for 28 days.
- Repair any cracks to inhibit their ability to reflect or telegraph up into the surface..
- Trim down any sharp protrusions. This saves on material by controlling the thickness of the SLU. Suggest to run a flat bar along the floor to identify excess height. If excess height is greater than 5cm, repair with a cement patch or floor screed.
- Protect the area of application from sun and wind, as this may affect the flowability and setting time of the SLU. Openings such as windows and doors must be closed or sealed to avoid draught during and after the application.
- Surface to receive self-leveling underlayment **MUST** be primed first. Apply two coats of primer and allow to sufficiently dry before Betonit Self-Leveling Underlayment is pour.

PRIMING

Use Betonit SLU Primer for sealing the substrate prior to leveling. Proper use of primer effectively seals the subfloor and prevents formation of pinholes or crater in the surface. Apply primer a few hours before applying SLU. If the primer is dry to touch, then SLU can now be applied.

TOOLS

- Heavy Duty Drill and Mixing Paddle
- Water Gauging Container
- Hand Trowel or Spreader
- Smoother

MIXING

1. Mix enough material that can be applied within 20 minutes.
2. Pour 5 ¾ liter of water in a non-absorptive pail and add 25kg of Betonit Self-Leveling Underlayment. Mechanically mix using a drill equipped with mixing paddle until homogeneous and free flowing consistency is achieved.
3. After sufficiently mixed, wait approximately 5 minutes. Swirl the pail to allow bubbles to dissipate.

APPLICATION

1. Pour on desired area with a minimum of 1mm up to 10mm thickness. Using a spike roller or long-handle trowel, spread mortar while paste is still workable. Use spike shoes to walk on the poured mortar to avoid leaving marks in the underlayment during application.
2. Spread as much as possible to thin out. It will find own level. Use spike roller to release the air bubbles within the paste. Not all air bubbles rise to the surface and can be pricked by a trowel.
3. Do not touch the mortar once gel time is achieved. Approximately 20 minutes since time started to pour.
4. For a more homogenous finish or to avoid overlapping, best to estimate material needed to cover the whole area. Prepare enough material that can be applied in wet-edge manner.
5. If it cannot be avoided, divide floor into segments. Block termination points with a flat bar as a barrier. Insert foam such as double adhesive tape between the floor and the flat bar to prevent the material going pass the barrier.
6. The SLU is ready to walk on after 2 hours and ready to receive floor covering after 24 hours.

Recommended Floor Coverings

Tiles, vinyl, granite and marble, artificial and natural stone, wood parquet, linoleum, carpet, athletic floors, epoxy, etc.

CURING and MAINTENANCE

- Keep all windows and doors closed for 24 hours after application.
- Do not expose to water for the next 24 hours.
- Cover with desire floor covering for permanent use.

PACKAGING

Available in 25kg kraft bag

COVERAGE

2 to 3 sqm per 25kg bag at 1 to 3mm thickness

LIMITATIONS

- Do not use on permanently wet areas
- Do not use on exterior applications
- Do not apply in direct sunlight
- Do not over water or over mix
- Do not add cement or aggregates on the mixture
- Do not apply on concrete under 28 day cure
- For thicker membrane requirements like >5cm, use a patch repair or floor screed.

SHELF LIFE

Unopened bag has a shelf life of 3 months up to 5 months from time of manufacturing date. Betonit Self-Levelling Underlayment is made to order to assure freshness of material upon delivery. Keep in cool and dry place when not in use. Do not store in hot temperature areas.

AVAILABILITY

Products are produced upon receipt of order to assure freshness of material. Allow at least 7-14 days lead time depending on volume of order.

NOTE: The information contained here is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing performance or suitability of the product application.