

Product Description

Akona® Level-Flo™ Self-Leveling Floor Underlayment Cement (BOM# 1153) is a flowable mortar for use where a level surface is necessary prior to installing floor coverings. It requires a minimum of labor to produce a smooth, level surface that is ready for installing floor coverings such as ceramic tile, marble, resilient flooring, wood and carpet. Akona® Level-Flo™ Self-Leveling Floor Underlayment Cement may also be used to encapsulate radiant heating installations. This product is designed for interior applications from 1/8" up to 1" thick. Use with Akona® Level-Flo™ Primer (BOM# 1154).

When/Where to Use

- Used to prepare plywood or concrete surfaces prior to installation of flooring
- Encapsulate radiant heat installations
- Can be used for leveling, smoothing and repairing interior floors before installation of floor coverings

Advantages

- High strength
- Self-leveling & flowable mixture
- Provides flat & level floor s

Size & Coverage

50lb. bag. A 50 lb. (22.7 kg) bag will cover about 50 sq. ft. at 1/8" thickness.

Preparation & Priming Surfaces

Remove all loose or unsound materials. Thoroughly clean all surfaces and substrates of dirt, dust, grease or other contaminants before applying underlayment cement. Smooth troweled or dense concrete surfaces must be etched or roughened to ensure proper bond adhesion.

Helpful Items:



Concrete Surfaces • Prep & Primer

Concrete floors must be fully cured, free of moisture, free of curing compounds and have a surface profile rougher than broom finished concrete. Smooth concrete must be properly prepared to ensure proper bonding. Dilute Akona® Level-Flo™ Primer with equal amount of clean water at a 1:1 ratio. Prime floor using a paint roller. Wait until surface is dry or slightly tacky before applying the underlayment cement. Underlayment cement must be applied within 24 hours of primer application or it is necessary to reapply the primer

Plywood Surfaces • Prep & Primer

Plywood surfaces must be a minimum of 3/4" exterior grade or exposure 1 underlayment grade fastened securely with a maximum deflection of L/360. Allow a 1/8" gap between sheets and fill with caulk, mortar or tape. All nail holes or areas where underlayment could leak should be filled with mortar or caulk. Dilute Akona® Level-Flo™ Primer with equal amount of clean water at a 1:1 ratio. Prime floor using a paint roller. Wait until surface is dry or slightly tacky before applying the underlayment cement. Underlayment cement must be applied within 24 hours of primer application or it is necessary to reapply the primer. Securely fasten every 4" either galvanized metal lath or plastic lath designed for this purpose to the plywood surface prior to applying underlayment cement. Install expansion joints where underlayment cement meets retraining surfaces such as perimeter walls or dissimilar floors.

Ceramic, Terrazzo and Marble Surfaces • Prep & Primer

Surfaces must be well bonded and stripped of any wax or sealers before being primed. On these special surfaces, it is recommended to prime them using the following mixture: 1 pint of Akona® Level-Flo™ Primer, 1/2 pint of water, 1 1/2 pints of underlayment cement powder. Mix the above mixture until a lump-free slurry is achieved. Use a broom, brush or similar tool to apply the slurry primer coat.



Mixing / Application of Product

Mix a 50 lb. bag of underlayment cement with measured 4 1/2 quarts of cool, clean water. Add powder to the pre-measured water and mix with a 400-600 RPM power mixer until a lump-free mixture is obtained. A 5 gallon pail is recommended for mixing. Do not add additional water to the product as this will adversely affect the performance of the product. Acclimating water and powder to room temperatures of 65° to 75°F, 24 hours before use is recommended. At 70°F, the product has about a 10 minute flow/heal time. Always pour fresh material into existing material within this time frame. Once product is mixed, pour material onto floor in a uniform manner to achieve a flat floor. Do not over work material once it is on floor. Best results are obtained pouring across the shorter distance in the room. Restrict underlayment from moving to unwanted area's by creating small dams constructed of 1" x 2" lumber wrapping their edges with duct tape. A gauge rake designed for underlayment's may be helpful for larger areas.



Notes

- Protect new surface from use until material is completely hard and set.
- At temperatures of 72° or above:
 - ⇒ Surfaces will accept foot traffic in 2-4 hours
 - ⇒ Installation of ceramic tile after 24 hours or overnight
 - ⇒ Installation of resilient flooring after 72 hours
- This product may not be used over gypsum surfaces, particle board, paints, adhesive residues, vinyl, plastics, and epoxy or urethane floors.
- This product is not to be used as a final wear surface.
- All acceptable surfaces must be primed with enclosed primer prior to application of underlayment.

Clean Up

Typically, water will satisfactorily clean tools. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools.

WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

Warranty

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, seller's liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.

Precautions

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Keep out of reach of children.

• Applying Akona® Level-Flo™ Self-Leveling Floor Underlayment Cement thru a pump



• Applying Akona® Level-Flo™ Self-Leveling Floor Underlayment Cement on top of Akona® Level Flo™ Plastic Lath

• A gauge rake designed for underlayments may be helpful for larger areas

