



Cemimax DL-55 Level-Pro

Self-Drying, Self-leveling, Cementous, Underlayment Compound

Description:

Cemimax DL 55 is an advanced Cementous self-leveling underlayment. It is engineered for leveling and smoothing concrete as well as other interior substrates from 1/8" to 3" depths. DL 55 is formulated to produce a low emission, rapid setting, high-flow, level, flat, cost-effective, underlayment. DL 55 can be used in areas with normal to heavy rolling loads. Internal use only.

Suitable Substrate Conditions:

- May be installed over well bonded existing floor covering such as ceramic tile, quarry tile, vinyl composition tile (VCT). Flooring must be structurally sound, solid, thoroughly clean and free of polishes, waxes, grease, asphalt and any other contaminant that might act as a bond breaker.
- Can be applied over properly prepared and installed 100% solids epoxy moisture barriers and polyurethane vapor retarders with the use of the proper Cemimax primer.
- Epoxy cement terrazzo and poured epoxy or polyurethane flooring with the use of the proper Cemimax primer.
- Dimensionally stable exterior grade-grade plywood.
- Over Radiant Heat systems
- Existing surfaces in need of refurbishment, such as well bonded, non-water soluble adhesive residues including cutback.
- High Stress loads in residential, commercial, and industrial locations, such as hospitals, shopping centers, and industrial facilities.



Product Features/ Benefits:

- Super smooth – requires no sanding
- 14-16 hour Dry time @ 65 °F and 65% humidity
- Versatile – apply from Feather Edge to unlimited depth in one lift
- Rapid hardening – walkable within 2 hours
- Superior flow – fast application
- Flexible – hand mix or pump

Technical Data:

Packaging:	50 lb. paper bag
Storage:	Minimum of 12 months when stored properly
Water ratio:	5 liters/ 5.28 quarts per 50 lb. bag
Coverage Rate:	25 ft ² @ ¼" depth per 50 lb. bag*
Working temperature:	Minimum 50° F at floor level
Working Time:	30-40 minutes**
Dry Time: Moisture Sensitive Flooring	14-16 Hours**
Dry Time: Ceramic, Porcelain, Quarry Tiles	4-6 hours**
Compressive Strength:	5076 psi after 28 days
Flexural Strength:	1160 psi after 28 days

*Actual coverage may vary depending on substrate conditions,
**Temperature tested at 65°-70° F and 65% relative humidity

Subfloor Preparation:

- Following all standards, regulations, notices, and installation instructions are applicable and highly recommended.
- Concrete should be tested for moisture vapor emissions rate and/ or determine relative humidity in concrete floor slabs using in situ probes in accordance with ASTM F1869-11 and ASTM F2170-11.
- Protect freshly applied leveling compounds from drafts, direct sunlight, and direct source of heat.
- ASTM F710-11 "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring."
- The substrate must be sound, free from cracks, dry, clean and free from materials which would impair adhesion. Test the substrate according to applicable standards and report any deficiencies. Brush, abrade, grind or shot-blast any weak surface sections or areas which will not accept adhesion. Thoroughly vacuum to remove loose material and dust. Select a suitable primer provided by Cemimax according to surface type and conditions or seek technical assistance. If moisture is detected after proper testing is done select a suitable Cemimax Moisture Vapor Retarder (MVR) before application of leveling.
- Allow proper primer for applicable substrate to dry thoroughly.

Notice - Some adhesives contain asbestos and some concrete compounds contain natural occurring silica which sanding could cause an unsafe environment when sanding. Extra precautions should be taken when sanding to follow safe working conditions as outlined by OSHA.



Application:



- Place 5 liters/ 5.28 quarts of cold clean water into a clean container. Sprinkle in the sack contents (50 lb.) whilst stirring briskly with a drill fitted with football/ oval style paddle mixer and mix to a thick viscous fluid. Lump-free consistency. Do not mix too thinly.
- Pour the mixture on the area to be applied, spread the material uniformly. If required thickness is needed achieve by using appropriate toothed rake or conventional gauge rake. Remove entranced air by using the spiked roller.
- Drying time at 65 °F is approx. 14-16 hours. If needed abrade using 40-60 grit sand paper. It improves both the surface quality and the absorbency. Poor air-flow and lower temperatures will significantly affect drying times.

