

STONE MASON®

E-Z FLOW

E-Z FLOW UNDERLAYMENT SELF LEVELING

E-Z FLOW Underlayment and Super E-Z FLOW Underlayment are self-leveling cement based products designed for leveling floors without troweling. When mixed with water, they become a fluid material which will seek it's own level producing a smooth finish.

USES:

Use E-Z FLOW Underlayment and Super E-Z FLOW Underlayment to level surfaces in new construction, remodeling work and corrective work. They can be used as a subflooring finish for carpet, tiles, epoxy coatings, and other floor surfacing systems. They can be applied over concrete, wood, steel, ceramic tile and other sound, rigid flooring. Both are compatible with common adhesives. For increased compressive strength and even better workability use Super E-Z Flow.

ADVANTAGES / FEATURES:

- Mixes with water only.
- Pumpable / Pourable.
- Low in-place cost.
- Takes foot traffic after 6 to 8 hours
- Eliminates troweling.
- Quick installment.
- Not a gypsum product.
- Properties similar to concrete.
- No sanding or grinding when properly installed.
- Can be featheredged.
- Hard surface.
- Low shrinkage.



SURFACE PREPARATION:

Concrete Floors – Remove all loose and imperfect material so as to expose good, clean, sound concrete. Grease, oil, dust, dirt, paint and similar contaminants will impair bond and performance if not removed. Once debris is removed, apply E-Z FLOW Underlayment Primer #100. Apply Primer by use of a roller cover of at least 1/2" nap or a nap suitable for the surface, or a soft bristle push broom. Remove any puddles. Allow Primer to dry completely before applying Underlayment. **Wooden Floors** – Remove all grease, dirt, oil, dust and any other contaminants from the floor. Nail down loose flooring. Fill any joints in flooring with a stiff mix (mortar consistency) of E-Z FLOW Underlayment, caulking, or other suitable material before applying Primer. Roll on E-Z FLOW Underlayment Primer #100, using a roller cover of at least 1/2" nap or a nap suitable for the surface. E-Z Flow Underlayment Primer #100 is recommended for concrete, wood, tile, slate, terrazzo, brick substrates. In case of doubt, carry out a test application. Pinholes will develop on surface after hardening if improperly primed.



MIXING:

Mix 1 bag of E-Z FLOW Underlayment (55 lbs) with 4 to 5 quarts of water. Place the water in mixing container first, then add one bag of E-Z FLOW Underlayment while mixer is running. **CAUTION: DO NOT OVER WATER. OVER WATERING WILL CAUSE BLEEDING.** Mix thoroughly for approximately one minute to obtain a lump-free mix.

APPLICATION:

For small installations, mix E-Z Flow powder and water in a five gallon pail using a 1/2" heavy duty drill with a Turbine Mixer or similar mixing paddle. Place the liquid E-Z FLOW Underlayment by pouring directly from the mixing container. If needed spread material in place with a spreader. E-Z FLOW Underlayment will continue to be flowable during the first 15 minutes after mixing.

For larger installations, mix two bags at a time in a mechanical mixer. E-Z FLOW Underlayment can be pumped to installation area. (contact manufacturer for pump recommendations).

E-Z FLOW Underlayment can be installed from featheredge to a thickness of 1" in one operation. For areas of greater thickness it is recommended to mix the E-Z FLOW Underlayment with washed pea gravel, 1/4" (6mm) in size. Mix E-Z FLOW Underlayment with water first, then add pea gravel. Use 25 lbs of pea gravel per bag. If aggregate is wet, reduce the amount of water to avoid over watering.

If pea gravel is not available, then E-Z FLOW Underlayment can be applied in a series of 1" pours until the desired thickness is obtained. Start application from the lowest point in the room and build in layers to the highest point. Do not apply next pour until the previous pour takes foot traffic, under normal conditions 6-8 hours. If previous pour is left for 24 hours, then a coat of E-Z FLOW Underlayment Primer #100 is necessary before applying the layer. Clean equipment with water as soon as possible after application.

Floor coverings can be installed after 24 hours. All control joints, expansion joints, saw cuts should be maintained through E-Z FLOW application as laid out by Architect or Engineer.

LIMITATIONS:

E-Z FLOW Underlayment is not a wearing surface. It is to be used for indoor use only. Do not use E-Z FLOW Underlayment over painted surfaces or gypsum based surfaces. Being a cement based material, observation of the basic rules of concretes are recommended. Do not over water. Never add additives of any type (except pea gravel). Protect from drying too fast from strong sun exposure or wind.

COVERAGE:

A 50 lb. (22.7 kg.) bag of E-Z FLOW Underlayment Self Leveling will cover approximately 50 sq. ft. (4.6 m²), 1/8" (3mm) thick. E-Z FLOW Underlayment Primer #100 will cover approximately 200-300 sq. ft. per gallon (18.6-28.0 m² per 3.8 litres).

Thickness	3mm (1/8")	6mm (1/4")	12mm (1/2")	19mm (3/4")	25mm (1")
22.7 kg bag yield	4.6 m ² 50 sq. ft.	2.3 m ² 25 sq. ft.	1.2 m ² 12.5 sq. ft.	0.8 m ² 8.3 sq. ft.	0.6 m ² 6.25 sq. ft.

TEST RESULTS:

E-Z FLOW Selfleveling Test Results			Regular	Super
Compressive Strength	ASTM C-109			
24 H (PSI)			440	4130
28 Days (PSI)			5250	7060
Tensile Strength	ASTM C-190			
24 H (PSI)			80	290
28 Days (PSI)			630	730
Flexural Strength	ASTM C-348			
24 H (PSI)			200	650
28 Days (PSI)			1150	1090
Shrinkage / Expansion (%)	ASTM C-596			
1 Day			+0.077	+0.060
7 Days			+0.068	+0.037
14 Days			+0.036	+0.021
21 Days			+0.022	+0.009
28 Days			+0.013	+0.005

WARRANTY:

The consumer shall satisfy themselves of the suitability of this product for the intended purpose. Weather, applicator's skill and surface conditions are beyond manufacturer's control. We therefore, limit our liability to replacement of defective material only, within one year of proof of purchase.



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