



SELF-LEVELERS

# SKIMFLOW<sup>®</sup> LCB

## LIQUID CEMENT BOARD



### DESCRIPTION

SKIMFLOW<sup>®</sup> LCB is a gypsum based self-leveling underlayment designed for use directly over wood. The product is reinforced with fibers for superior performance over flexible substrates. SKIMFLOW LCB may be poured directly over wood without mechanical reinforcement to provide a quick dry, smooth surface for approved floor coverings.

### APPLICATIONS

- SKIMFLOW LCB's designed for use over wood substrates where a level surface for floor covering is desired. Unlike traditional self-leveling underlayments SKIMFLOW LCB does not require mechanical reinforcement (lath) when poured directly onto wood.

### FEATURES AND BENEFITS

- Outstanding flexural strength
- Suitable for plywood and gypsum subfloors
- Durable high strength specialty cement
- Outstanding heal
- Non-alkaline – adhesive friendly
- Withstands construction/renovation traffic

### LEED CREDIT

AREA	CREDIT	CATEGORY	HOW
Indoor Environmental Quality	EQ 4.2	Low Emitting Materials	Zero VOC
Materials and Resources	MR 4.1-4.2	Recycled Content	0%
	MR 5.1	Regional Manufactured Material	Cleveland, OH
	MR 5.2	Regional Materials	40%

### PREPARATION AND APPLICATION

#### SURFACE PREPARATION

All surfaces must be sound, stable, and clean. Ensure surfaces are free from dust and dirt and any bond breaking materials (silicates, curing compounds, oils). Mechanically remove weak surfaces and any contaminants to sound surface. Always finish cleaning by a final removal of contaminants by vacuum. Any surface must show a tensile pull strength greater than 100 PSI. Any surface with a tensile strength below 100 PSI should be removed mechanically. Do not use chemical cleaners or solvents to prepare any substrate for SKIMFLOW LCB. Adhesive residue should be scraped or ground to well bonded residue only. Check the adhesive prior to mechanical removal to ensure it does not contain asbestos. Always follow federal and local codes when removing asbestos. Gypsum surfaces shall be sound, stable and free of dust. Wood surfaces must follow local codes, be free of deflection, and made of either plywood or APA rated OSB. If installing over wood, SKIMFLOW LCB must be at least 3/8" to install without mechanical reinforcement.

### PACKAGING

- SKIMFLOW LCB
- 50 lb (22.5 kg) double wall bag
- PRIMER A™
- 5 gallon pail (19 L) with pour spout
  - 1 gallon bottle (3.8 L) with pour spout

### CHARACTERISTICS

**Working Time:** Approximately 30 minutes

**Initial Set Time:** Approximately 1 hour

**Ready for covering:** 24 hours at 1/4"  
48 hours at 3/4"  
72 hours at 1-1/2"

**Compressive Strength:** 4200 psi

**Flexural Strength:** 1700 psi

**Yield:** 0.47 cu. ft. (50 lb. bag)

**Coverage:** Approximately 23 sq. ft. at 1/4" thickness

**Minimum Thickness:** 3/8" over wood, 1/8" over other substrates

**Maximum Thickness:** 3"

**Mix Ratio:** 4.75-5.1 quarts of potable water : 50 lb bag of SKIMFLOW LCB

**Application Conditions:** Do not use where either the surface or air temperature falls below 45°F (7°C) or above 85°F (29°C) within 72 hours after installation. Do not use when finished floor is subject to freeze (32°F or 0°C) any time within 7 days.

**Color:** White

**Priming:** PRIMER A. Primer coverage is approximately 300-400 sq. ft. per gallon. (23 to 27 sq. meters per 3.8 liters). Refer to Dependable's Primer Tech Bulletin P-1.

*All data was obtained under laboratory conditions: 70°F in a controlled environment using our approved water content. Changing the temperature, or mixing ratios, or the environment can effect these specifications. Substrate moisture testing is always recommended prior to installation. Call Technical Services if you have any questions.*

## PREPARATION AND APPLICATION Continued

### Priming

Dependable recommends the use of PRIMER A on all surfaces, unless specified by technical services. Check the porosity of the substrate prior to priming. Fill a bottle-cap with water, and drop onto the surface. If the water disappears readily, consider the surface porous.

### Porous Substrates

On porous substrates it is necessary to dilute the primer prior to installation, a test area should always be performed prior to priming the entire floor. Dependable recommends starting at 4-1 ratio, but it is important to remember that each substrate may require a different dilution ratio depending on the porosity of the substrate. Ensure the primer remains wet for 15 minutes after application. If the primer remains wet for less than 10 minutes, increase the dilution ratio and try again on the test area. If the primer remains wet for more than 10 minutes, but less than 15 minutes: increase the dilution ratio, but continue priming the remainder of the floor. Dependable recommends installing the primer into the floor with a soft bristle broom, but a nap roller or a squeegee may be used if necessary.

### Non-porous Substrates

On non-porous substrates dilution is unnecessary. Using a broom or a nap roller prime the floor with a neat coat of PRIMER A, ensuring you do not puddle or over-prime the floor.

### Wood Substrates

On wood substrates, diluting is unnecessary and discouraged. Wood substrates require a double coat of primer to ensure a film forms. Prime the wood floor with an undiluted coat of PRIMER A, and allow to dry. Then, when the first coat is dry, prime the floor again with a second coat of PRIMER A. Consult Dependable's technical bulletins for details on priming.

### Mixing

Mix 1 bag SKIMFLOW LCB into 5 quarts (4.75 liters) cool clean water. (10 lbs. to 1 qt. water or 5kg. to 1 liter water). SKIMFLOW LCB can be mixed in large quantity in mortar mixers or special pumps or in smaller quantities (up to 2 bags) in a 20-40 gallon container. Use only a very clean mixing container that does not contaminate SKIMFLOW LCB with other material. Pre-dampen container to provide proper first mix. Pour in proper amount of water and then add powder while mixing. Do not over-water. If a problem is encountered while mixing and you are not getting a lump and powder free mix, try starting with 2/3 of proper water, adding powder until just wetted, then adding remainder of water and thoroughly mix at 850-1200 RPM. Mix for at least 2 minutes, but no longer than 3 minutes to a homogenous lump-free mixture. Do not shake.

### APPLICATION

Pump or pour contents onto floor. Because SKIMFLOW LCB is very flowable, allow it to build in one area until it reaches at least desired depth and maintains that depth even as material flows away. Begin at a corner of room or at a deep part of fill. Plan the pour before starting. Either work back and forth along a line of the room or from the center of the fill outwards in all directions to keep pouring against the freshest material possible. Lightly work the transition points between pours and material over or under desired depth with a screed, spreader, lightweight float or straightedge to the desired depth. Material should remain highly flowable for 20 minutes and can be walked in for over 45 minutes at normal temperatures. Any imperfection can be smoothed by surface trowelling or drawing a straightedge or smoother over the surface. As material gets stiffer and begins to gel, it may be smoothed or trowelled to a featheredge. Once material begins to gel, stay off the area for about 1.5-2 hours, after which floor should bear foot traffic. In very hot or windy conditions, protect from wind and mist fog floor. Direct sunlight, heat and wind can cause rapid drying of the product which may reduce working time. To avoid rapid drying, provide protection against these elements. Let material continue to dry before covering until evaporative moisture lessens. Moisture level may be checked by a surface moisture meter, a plastic film taped to the floor, or a plastic bucket left on the floor and the area carefully observed for residual surface moisture upon removal. In thin 1/4" applications, SKIMFLOW LCB may be covered in 4-24 hours depending on drying conditions (temperature, humidity, thickness) and requirements of adhesive and floor covering. For impervious coverings (vinyl, laminate, etc.) be sure SKIMFLOW LCB is thoroughly dry (at least 16-24 hours). Pours deeper than 3/8" require longer time or forced drying.

**Multiple lifts:** SKIMFLOW LCB may be placed in multiple lifts or layers. Allow the previous layer to harden and dry until there is no discernible evaporation. Once dry, prime again with Primer A and apply the next SKIMFLOW LCB layer. Remember thicker areas of product take longer to dry.

**NOTE:** Temperature and humidity levels affect the drying characteristics of SKIMFLOW LCB.

### LIMITATIONS - For Interior use only - Do not use...

- Where hydrostatic pressure (water) is present or moisture emissions exceeds level permitted for installed floor covering. SKIMFLOW LCB Underlayment can tolerate any amount of moisture from a concrete slab so long as all of the moisture from the slab will escape past the floor covering. If the floor covering's moisture permeability does not meet or exceed the moisture content of the slab, Dependable recommends moisture remediation. Use Dependable's Vaporseal HM, or an approved alternative, to remediate moisture in concrete, consult the Vaporseal HM data sheet, or call technical services, for more details.
- Where surface or ambient temperature falls to or below 45°F 72 hours before or after installation.
- Over presswood, particle board, masonite, chipboard, single stripwood floors, luaun or similar dimensionally unstable materials susceptible to moving or swelling.
- As a trowelled patch or at less than natural minimum flow thickness.
- Exterior, exposed applications or as a wear surface.

**24 HOUR EMERGENCY: CHEMTREC® 1-800-424-9300**  
**NON-TOXIC and NON-FLAMMABLE**

Keep container closed and keep away from children. May cause slight eye abrasion or irritation if spilled or rubbed in eyes. Flush thoroughly with water.

If taken internally, call a physician. Technical Assistance:  
Visit our website: [floorprep.com](http://floorprep.com) or call 1-800-227-3434.

### LIMITED WARRANTY:

Dependable, LLC warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Dependable, LLC. will correct any such failure by either replacing or repairing any defective goods, at Dependable, LLC's option.

The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.



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