



DESCRIPTION

LABCRETE-SELF self-leveling portland cement underlayment has fundamentally changed the way rough and uneven substrates are treated. LABCRETE-SELF offers a timely and cost effective solution to level floors.

WHERE TO USE

LABCRETE-FAST can be used over: concrete - new or old, precast plank, quarry tile, terrazzo and wood floors. The type of finished floor to be installed must also be taken into consideration. Please contact manufacturer for installation instructions on substrates other than concrete.

BENEFITS

- Self-Leveling
- Rapid Setting/High Strength
- Excellent Surface To Receive Carpets, Resilient Flooring, Wood And Tile
- Cement Based And Resistant To Water
- Fine Aggregate For Feather Edging

HANDLING PROPERTIES (23°C 74°F)

Compressive Strength**	30MPa (4350 psi) (ASTM C-109 @ 28 days)
Initial Set	90 minutes (ASTM C-191)
Final Set	120 minutes (ASTM C-191)
pH	11.5
Mixing Ratio	4.5L (1.20 U.S. gal) per 22.7kg (50lb) bag
Minimum Thickness	0-32mm (0 to 1 1/4")
Work Time	25 minutes
Mix Time	3 minutes mechanical mix
Application Rate hand:	up to 93 m ² /hr (1000 ft ² /hr)
	pump: up to 557 m ² /hr (6000 ft ² /hr)
Curing Rate	6 hours- light traffic
	12 hours-normal traffic
	24 hours - can be covered
	(Some floor coverings require longer curing.)

The above information is representative of actual production runs. Independent test results may vary from the above by approximately " 10 %.

STANDARDS

CAN/ULC - S 102 and ASTM E 84 Surface Burning Characteristics
 Flame Spread Classification Index - 5
 Smoke Developed - 10

APPLICATION

Surface must be clean and sound, free of dirt, grease, oil, paint, wax, curing compounds, tile and carpet adhesive and any other foreign matter. Concrete floors must be free of laitance or loose material. Seal any holes in the floor. Information on the appropriate cleaning method is available upon request. After cleaning, the floor should be dust free and dry. It can now be primed. ADHL-PRIMER must be used with LABCRETE-SELF at all times as per manufacturer's instructions.

PRIMING

Prime with LABCRETE-PRIMER. LABCRETE-PRIMER controls hydration, acts as a bonding agent and prevents air from forming voids in the liquid **LABCRETE-SELF**. LABCRETE-PRIMER is packaged as a liquid concentrate. Dilute with water at a ratio of 2 parts water to 1 part LABCRETE-PRIMER. Very porous surfaces may require additional coats. Mix for approximately 1 minute. Pour onto the area to be primed and spread with a broom. LABCRETE-PRIMER must be allowed to become tack free (dry) before applying **LABCRETE-SELF**. LABCRETE-PRIMER has an open time of up to 24 hours @25°C (77°F). Keep traffic off primed floor.

HAND MIXING/HAND POUR

Tools: Plastic barrel, spreader, smoother and paddle mixer. Also needed: 13mm (W') heavy duty drill, water source and measuring container.

Crew: Typical application requires 2-3 people.

Mix each bag of LABCRETE-SELF with 4.5L (1.20 U.S. gal.) of clean cool potable water.

DO NOT OVER WATER. DO NOT USE SOFTENED WATER.

Mix two bags at a time. Start by placing water into barrel. Add LABCRETE-SELF at a steady rate while mixing with paddle mixer and drill. Once product has wet out mix for 3 minutes minimum to achieve a lump-free mix. Pour LABCRETE-SELF from mixing barrel onto area to be levelled. Spread out using spreader tool (set legs of tool to desired thickness). Repeat mixing and pouring until installation is complete. Use smoother for touch ups.

Hint: To avoid low spots between pours, pour into leading edge of previous pour and spread. Application should be continuous until pour is completed.

PUMP APPLICATION

For specific pump methods and installation, contact Adhesives Lab Construction Products, for recommendations and guidance. Generally LABCRETE-SELF is pumped through a hose to application site. The applicator lays down a succession of 75mm to 150mm (3"-6") ribbons of material pumping into the edge of the preceding ribbon. Depending on the pump used, 929m²-4645m² (10,000-50,000ft²) at 6.4mm (1/4") can be placed per day.

AGGREGATE

When areas over 32mm deep are to be levelled an aggregate must be added to control shrinkage. Use clean, dry, washed 6.4-9.5 mm (1/4"-3/8") pea gravel or dry clean #24 silica sand only. Add a maximum of 11.4 kg (25 lbs) to a 22.7 kg (50 lbs) bag of LABCRETE-SELF. Add aggregate after LABCRETE-SELF has been mixed with water. For extending where LABCRETE-SELF is being pumped add 11.4Kg. (25lbs.) of dry clean #24 Silica Sand per mixed bag.

Note: Adding aggregate reduces flow and leaves a rougher surface. Top with a thin layer of unmodified LABCRETE-SELF if a smoother surface is desired. If topped, the aggregate layer must be primed to assure proper bonding with finished

LIMITATIONS

- During Placement And For A Short Time Afterwards, Avoid Exposure To Direct Sunlight And Draft
- Do Not Place When Air Or Surface Temperature Is Below 7°C (45°F)
- Do Not Use For Exterior Applications
- Do Not Use Without LABCRETE-PRIMER

COVERAGE/YIELD

UNEXTENDED

0.013m³(0.46ft³) per mixed bag

Covers 2.0m² (22ft²) at 6.35mm (1/4")

EXTENDED

(50% by weight with clean dry #24 Silica sand or Pea Gravel)

0.018m³ (0.64ft³) per extended bag

Rev. 12.18 Covers .71m² (7.6ft²) at 25mm (1")

PACKAGING

22.7 kg (50 lb) multi-wall bag.

SAFETY PRECAUTIONS

Consult Safety Data Sheet for specific instructions. MSDS

STORAGE

Dry heated warehouse storage is recommended.

SHELF LIFE

One year from date of manufacture when stored in original unopened container, and under normal warehouse conditions.

WARRANTY

The recommendations made and the information here in is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Adhesiveslab Products, makes no warranties, expressed or implied, as uses and applications are beyond our control. Adhesiveslab Products. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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