

FlexLine™ LM Plus Mortar



DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

IMPORTANT!

Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. DUR-A-FLEX, Inc. maintains a Technical Staff that will be glad to answer your questions and give you advice pertaining to your particular installation. Call 860.528.9838 with any questions about application.

FlexLine LM Plus Mortar is a cement-based single component acrylic polymer underlayment, ideal for fast and easy pitching, patching, ramping, and screeding. It can be trowel applied 1/8" – 2" neat, and up to 5" extended. It can be resurfaced with Dur-A-Flex Epoxy systems, Accelera, Hybri-Flex, or Poly-Crete systems.

- 5" Jiffler Mixing Blade
- Hippo style mixer (2 or more bags)
- 14" x 4" minimum finishing trowel
- Screed box (optional)
- Respirator Dust Mask
- Nitrile Gloves
- Safety Glasses

STORAGE CONDITIONS

Store mortar aggregate in a cool, dry area.

SURFACE PREPARATION / JOINT GUIDELINES

Use a shot blaster or surface grinder to achieve a CSP of at least 3. Vacuum all dust and debris, and ensure the surface is sound, clean, dry, and free of all contaminants before you begin applying product. Always fill static joints as part of the preparation step, honor moving joints post application. Refer to the master Surface Preparation Guide and Joint Guidelines at DUR-A-FLEX.COM/PREP for more information.

MIXING AREA

Select a convenient mix area as close as possible to the application area and protect the surface from spills by covering the space with a layer of plastic sheeting covered in cardboard. Be generous with the amount of space allocated for this function. Do not mix this product in direct sunlight or when ambient temperatures exceed 90°F. Exposure to high temperatures will greatly reduce the working time of this product. **DO NOT MIX UNTIL READY FOR IMMEDIATE USE.**

APPLICATION

WORKER REQUIREMENTS

- 1 person mixing
- 1 person running mixed pails
- 1- 2 people on trowel
- 2 people if screeding

EQUIPMENT LIST

- 5 gal mixing pails (1 bag)
- 750 RPM High-Torque Drill

PRIMING

Prime all surfaces (new/old concrete or plywood) with FlexLine LM Plus Primer. Apply FlexLine LM Plus Primer by spreading with a roller/brush/broom. Prime all surfaces (rough, open, absorptive, and porous concrete) with FlexLine LM Plus Primer. Leave primer wet and tacky, apply FlexLine LM Plus Mortar immediately after priming.

NOTE: FlexLine LM Plus Mortar is not a vapor barrier. Moisture testing should be completed using test methods ASTM F-1869 for MVER and ASTM F-2170 for RH. If levels exceed the maximum allowed by the finished floor system, contact your Dur-A-Flex Sales or Technical Rep for further instructions. All surfaces must be clean, sound, dry, 60°F - 90°F and free of oil, gypsum compounds, wax, grease, sealers, cure & seals, urethane, paint, asphalt, loose surface material or any contaminate that will act as a bond-breaker. Never use acid or mastic removers on any surface to which FlexLine LM Plus Mortar will be applied. On new concrete always test for cure-and-seals which inhibit the bond. If cure-and-seals are present they must be removed prior to applying FlexLine LM Plus Mortar by mechanical means.

MIXING & EXTENSION:

Mixing: Use 2.75 to 3.5 quarts of clean, cold water per bag depending on desired consistency. Mix for 90 seconds until a lump free consistency is achieved and place immediately.

Thickness: 1/8" - 2" neat, up to 5" extended (See EXTENSION)

Extension: Applications 3/4" - 1 1/2" thick: Add 25lb of

clean, washed, and drained 3/8" crushed stone to each bag of mixed FlexLine LM Plus Mortar. Thoroughly blend in the stone to achieve a uniform distribution in the mix.

Applications 1 1/2" - 5" thick: Add 40lb of clean, washed, and drained 3/8" crushed stone to each bag of mixed FlexLine LM Plus Mortar. Thoroughly blend in the stone to achieve a uniform distribution in the mix.

Do not mix more material than can be placed in 15 minutes.

INSTALLATION

Application: Place material immediately onto wet tacky primer. Use a trowel or screed, working material into all holes and air pockets to ensure maximum bond. Finish surface with trowel.

RAMPING APPLICATION PRODUCT

CALCULATION:

1. Determine average thickness of ramp. For example if you are going from a feather edge (0") to 1" the average thickness is 1/2" (Add the minimum thickness to the maximum thickness. Divide by 2 which gives you the average thickness)
2. Determine square footage which is the width of the ramp multiplied by length of ramp.
3. Divide the square footage by the average thickness amount listed below:
 - 1/8" Average: Divide by 50
 - 1/4" Average: Divide by 25
 - 1/2" Average: Divide by 12
 - 1" Average: Divide by 6
 - 1-1/2" Average: Divide by 4
 - 2" Average: Divide by 3

Note: Average coverage per mixed 50lb bag = .43 cu ft

APPLICATION NOTES:

- On new concrete always test for cure-and-seals which inhibit the bond. If cure-and-seals are present they must be removed prior to applying FlexLine LM Plus Mortar.
- Do not use over materials containing asbestos.
- Do not use over gypsum-based substrates.

Product Label:

FLEXLINE™ LM PLUS MORTAR

ACRYLIC POLYMER UNDERLAYMENT FOR PATCHING, RAMPING AND SCREEDING



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PRIMING

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WARNING!

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated inhalation exposure.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breath dust or fume. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection or face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. IF exposed or concerned: Get medical attention. Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with local and national regulations.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

v2

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT DUR-A-FLEX.COM FOR THE LATEST VERSION

CAUTION! As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including, using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.

Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.



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