

## **DUR-A-TEX LM**

### **DESCRIPTION**

DUR-A-TEX LM is a cement-based one-component acrylic polymer underlayment ideal for fast and easy patching, ramping and screeding. It can be trowel applied as a skim coat up to 2" – up to 5" extended. It can be resurfaced with any Dur-A-Flex Accelera, Hybri-Flex, Poly-Crete or Epoxy flooring system.

### **BENEFITS**

- High Bond Strength
- Easy to Apply
- High Compressive Strength
- Fast curing
- Will not support growth of mold or mildew
- Resilient
- Shock Resistant

### SUBSTRATE PREPARATION, MIXING AND PRIMING BY SUBSTRATE

GENERAL NOTE: Dur-A-Tex LM 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 coating, contact your Dur-A-Flex Sales or Technical Rep for further instructions.

ALL surfaces must be clean, sound, dry, 50° 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 Dur-A-Tex LM 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 Dur-A-Tex LM by mechanical means.

#### CONCRETE (ROUGH, OPEN & POROUS):

Preparation: Clean weak surfaces down to solid sound concrete by mechanical means.

Priming: Priming is not required for skim coat applications. For ramping or applications above 1/16" substrate should be primed using the following primers and methods:

**FOR NON-SEALED (ABSORPTIVE) SUBSTRATES:** Apply one coat of DUR-A-TEX LM PRIMER mixed with equal parts water using a broom or 3/8" nap roller. Pour out and work into surface, leave no puddles or bare spots. Allow to dry. Apply a second coat of DUR-A-TEX LM PRIMER at full strength. Apply DUR-A-TEX LM while primer is tacky/sticky. If primer dries reapply primer.

**FOR SEALED (NON-ABSORPTIVE) SUBSTRATES:** Apply one coat of DUR-A-TEX LMS PRIMER using a broom or 3/8" nap roller. Pour out and work into surface, leave no puddles or bare spots. Apply DUR-A-TEX LM once the primer is dry (Minimum 1 hour) and up to 24 hours. If primer has dried longer than 24 hours a second coat of primer may be required.

Mixing: Use 4.5 to 5.5 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: Skim coat up to 2" neat, 5" extended (See EXTENSION)

EXTENSION: 3/8" OR 3/4" CLEAN, DRY AND GRADED BLUESTONE, GRANITE OR PEA GRAVEL Mixing: Mix Dur-A-Tex LM as normal and then add the aggregate up to 1 part by volume. Do not use sand or limestone. A paddle type mixer can be used to make larger applications more efficient. Mix until the aggregate is completely coated. If the aggregate is wet, you may have to reduce the amount of mix water accordingly to avoid over watering. Place the extended material immediately.

"Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. **SELLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. SELLER SHALL NOT BE LIABLE FOR PROSPECTIVE PROFITS OR SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES.** Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price, but in no event will Seller's liability exceed the total purchase price of the defective product. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product."

**INSTALLATION: Skim Coating:** Use a steel trowel to pull the material tight, forcing it into the surface while filling and smoothing minor voids and imperfections. If more build is required, float Dur-A-Tex LM back over itself placing and finishing the material as need to correct the substrate. Once the sheen flashes, ridges can be troweled down before the final set to avoid sanding or scraping. **Ramping/Screeding:** Place the mixed material immediately. Use a trowel for small ramps or screed for larger ones. Dur-A-Tex LM's unique consistency allows you to simply pull the tool over the material without the side to side (sawing) action normally required with other materials. This leaves a true plane that can be finished with a steel trowel once the sheen has flashed. Do not re-temper the surface with water when finishing.

**RAMPING APPLICATION PRODUCT CALCULATION:**

1. Determine average thickness of ramp. For example if you are going from a featheredge (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

**APPLICATION NOTES:**

1. It is the responsibility of the contractor to review the complete technical datasheets of Dur-A-Flex products referenced above as more detailed information may be required. The information provided above acts only as a general guideline and may vary based on jobsite conditions.
2. Expansion or Isolation joints and working cracks must be reflected through Dur-A-Tex LM.
3. Dur-A-Tex LM is self-curing - no wet-curing methods or cure-and-seals should be used.
4. If Dur-A-Tex LM begins to set before it is applied, re-temper by mixing - Do not add additional liquid
5. 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 Dur-A-Tex LM.
6. Do not use over materials containing asbestos.
7. Do not use over gypsum-based substrates.

<b><u>DUR-A-TEX LM</u></b>	
<b>TECHNICAL INFORMATION</b>	
<b>Physical Property</b>	<b>Results</b>
Compressive Strength (ASTM C-109)	4 hours    2,000 psi 1 day       3,000 psi 28 days    6,000 psi
Flexural Strength (ASTM C-348-02)	28 days >1,200 psi
Package Size	50 lb./ 48 per pallet
Coverage	50 SF at 1/8", 100 SF at 1/16" (approx. 0.5 cubic ft.)
Shelf Life	6 months
Installed Weight	2.20 lbs @ 1/4"
Application Temperature Range	50 F to 95 F
Set (ASTM C-191)	Working time: 20 minutes Final set: 30 minutes
Cure time to apply DAF product	16 hours

*Before using any DUR-A-FLEX, Inc. product, be sure the Safety Data Sheet is read and understood.*