

DUR-A-TEX UM

DESCRIPTION

DUR-A-TEX UM is an aggregate filled, trowel applied polyurethane mortar system. It is designed specifically for the repair of concrete floors. It is ideal for filling holes and large cracks, leveling uneven areas, or pitching. It can be used with all Accelera, Poly-Crete, Hybri-Flex and Dur-A-Flex Epoxy floor systems.

BENEFITS

- VOC Compliant
- Low Odor
- Easy to apply
- Superior Adhesion
- Thermal Shock Resistant

LIMITATIONS

This product is best suited for application in temperatures between 45° F and 85° F. Priming is required for maximum adhesion and ease of installation. Substrate must be clean, sound and dry.

TYPICAL USES

- Filling large cracks and holes
- Pitching
- Spalled concrete and joint repair

PACKAGING & STORAGE CONDITIONS

DUR-A-TEX UM is available in pre-measured units consisting of resin, hardener and aggregate. A unit will yield approximately 0.3 cubic feet of material or 14 square feet at 1/4". DUR-A-TEX UM must be stored dry. Do not store near open flame or food. Do not use partial bags of aggregate. Every DUR-A-TEX product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from DUR-A-FLEX products, the correct surface preparation is required. This product requires priming. Used with DUR-A-TEX UM Primer, DUR-A-TEX UM adheres well to concrete, brick, block wall and plywood. Please refer to the Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATES

PRIMING - Mixing and Application

DUR-A-TEX UM PRIMER is a three-component cementitious urethane using DUR-A-TEX UM resin and hardener and DUR-A-TEX UM PRIMER AGGREGATE. Refer to the DUR-A-TEX UM PRIMER Product Data Sheet for mixing and application instructions.

DUR-A-TEX UM PRIMER is rolled out at 8 mils or approximately 90 sf/kit. Since the primer working time is approximately 10 minutes only prime enough area that can be covered wet with the UM mortar.

MORTAR - Mixing and Application

DUR-A-TEX UM is applied using a flat trowel at 1/4 to 2 inches thickness neat; up to 6 inches extended (refer to mixing guide below). Using a scraper-style pail mixer combine resin with hardener and blend thoroughly for one minute before adding aggregate. Blend the combined aggregate, resin and hardener for an additional two minutes. Apply immediately to a wet prime coat of DUR-A-TEX UM PRIMER. If the primer has dried apply another coat.

NOTE: POLYCRETE HF ACCELERATOR may be used to accelerate cure time of DUR-A-TEX UM Mortar. Mix 0.25 ounces (per kit) into resin prior to adding hardener and aggregate. See Technical Information below for cure times.

SEALERS

Recommended DUR-A-TEX UM sealers:

For Accelera/Epoxy systems

- ≤75% RH/3 lbs. calcium chloride: Dur-A-Glaze #4 Cove-Rez. **Note:** do not use Fast Hardener with Accelera
- >75% RH/3 lbs calcium chloride: Dur-A-Glaze MVP Primer thickened with equal parts No Sag #2

For Poly-Crete/Hybri-Flex systems

- Small patch areas (up to 14 SF): No sealer required
- Large patch areas(>14 SF): Poly-Crete TF Plus Cove

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

MOISTURE CONCERNS

Please refer to the Floor Evaluation Guidelines in the Contractor’s Center of our website for a step-by-step process to determine the condition of the concrete.

CAUTION

Adequate cross ventilation should be provided. Read, understand and follow the Safety Data Sheets prior to use. Use only as directed.

DUR-A-TEX UM MIXING GUIDE					
Application Thickness (inches)	Dur-A-Tex UM Aggregate	Pea Gravel Size (inches)	Additional Pea Gravel (Gallons)	Square Feet Per Batch	Cubic Feet Per Batch
¼	(1) 35 lb bag	-	-	14	0.30
½		¼	1 gallon	8	0.45
¾		¼	1 gallon	5.5	0.45
1		¼ + 3/8	1 gal - ¼, 0.5 gal - 3/8	3	0.52
1½		¼ + 3/8	1 gal - ¼, 0.5 gal - 3/8	2.25	0.52
2		¼ + 3/8	1 gal - ¼, 0.5 gal - 3/8	1.5	0.52
3+		¼ + 3/8	1 gal - ¼, 0.5 gal - 3/8	1.1	0.52

<u>DUR-A-TEX UM</u>		
<u>TECHNICAL INFORMATION</u>		
Cure Times		Regular w/HF Accelerator
	45°F/70%RH	24 hrs. 16 hrs.
	65°F/70%RH	16 hrs. 8 hrs.
	85°F/70%RH	6 hrs. 3 hrs.
Mix Ratio (by volume)	3 Component Kit	
Pot Life @ 77°F	20 minutes	
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond	
Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D 2240	85
Compressive Strength	ASTM C 579	24 hours 2,300 psi 5 days 6,000 psi
Tensile Strength	ASTM D 638	750 psi
Impact Resistance @ 125 mils	ASTM D 1709	> 160 inch lbs
Flexural Strength	ASTM D 790	4,400 psi
VOC Content		0 g/L

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

