

## **ARMOR TOP™**

**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. ARMOR TOP is intended for use as a topcoat for all epoxy floor systems and POLY-CRETE broadcast systems.

### **SURFACE PREPARATION**

Surface must be clean, sound, dry and free of all oil, grease, detergent film, sealers and/or curing compounds. Please refer to the DUR-A-FLEX Surface Preparation Guide on our website for detailed instructions.

### **IMPORTANT NOTES**

- Do not drip and leave excess material on the floor as this could lead to blistering.
- ARMOR TOP should not be applied more than 3 mils wet.
- During application, DO NOT use 9 inch rollers
- Make sure that the floor temperature and materials are between 60°F and 80°F. Do not coat floor if moisture is present.
- Do not coat floor unless floor temp is more than 5 degrees above the dew point.
- Do not apply if RH >80%.
- Do not apply ARMOR TOP over epoxies cured with FAST hardener.
- ARMOR TOP should be pigmented when applied over pigmented systems.
- Dry Time is slower when Relative Humidity is less than 30%.
- For vertical applications, two coats are required – the second coat must be applied within 24 hours of the first.
- Do not apply Armor Top clear with Armor Top grit on a smooth floor (like Dur-A-Gard, ReFLEXions, etc.) as roller lines may be visible.
- For applications where humidity is less than 30% use ARMOR TOP LH. This is available in gloss finish only. Tack-free time is approximately 6 hours. All other data remains the same as standard ARMOR TOP gloss.
- When recoating ARMOR TOP after the re-coat window has passed (24 hours or longer), aggressively sand the floor using a floor machine with 36 grit paper to remove gloss, then solvent wipe with Xylene or Acetone. Apply DUR-A-GLAZE #4 (use Regular or Water-Clear Hardener ONLY) with SUPER-STICK as a binder primer for succeeding coat. At 60°F the primer must cure for a minimum of 12 - 16 hours (depending on hardener used). Please refer to the SUPER- STICK Product Data Sheet on our website for complete application instructions.

### **APPLICATION INSTRUCTIONS**

**NOTE:** DUR-A-GLAZE #4 Reg. Hardener/Water Clear with DUR-A-GLAZE #4 Resin/SHOP FLOOR or DUR-A-GARD Regular with DUR-A-GARD Resin should be used as the undercoat for this system. ARMOR TOP is typically applied using the dip and roll method with an 18" long 3/8" nap roller with a Wide Boy™ or Big Ben™ frame. Applicators should wear spiked shoes (cross roll). DUR-A-FLEX, Inc. recommends Big Ben™ roller frames when applying white or light colors.

1. Pour ARMOR TOP hardener into a 2 gallon bucket. If color is desired, add ARMOR TOP Colorant; mix for 30 seconds. Add ARMOR TOP resin and mix for 30 seconds. If specified, slowly add ARMOR TOP Grit and continue mixing for an additional minute. Pour a small amount into a dip and roll tray that is large enough to accommodate an 18 inch roller.
2. Dip roller cover into paint tray and roll off excess. Apply two 8-10 foot long paths left to right then right to left. Re-wet roller and continue application. Even out roller lines by using W shaped crosses and/or up & down passes. If not even, re-roll up and down until uniform. A final cross-roll is necessary to even out roller lines and should be completed within 10 minutes.
3. Occasionally remix ARMOR TOP in tray or bucket with a stick to prevent settling of the grit/powder.
4. For line striping applications use Dur-A-Gard Bright Yellow with Superstick. Topcoat with Armor Top Bright Yellow.

### **KIT SPREAD RATES**

	<b><u>Standard</u></b>	<b><u>LH</u></b>
Gloss Clear (w/grit)	575 SF/kit	650 SF/kit
Gloss Clear (no grit)	550 SF/kit	625 SF/kit
Gloss Pigmented (w/grit)	700 SF/kit	775 SF/kit
Gloss Pigmented (no grit)	675 SF/kit	750 SF/kit

	<b><u>Standard</u></b>
Satin Clear (w/grit)	775 SF/kit
Satin Clear (no grit)	750 SF/kit
Satin Pigmented (w/grit)	850 SF/kit
Satin Pigmented (no grit)	825 SF/kit

**NOTE: This product is best suited for application in temperatures between 60°F and 80°F. Full chemical and abrasion resistance occurs in 7 days at 77°F.** At lower temperatures these properties will be attained more slowly. Protect floor from chemical exposure and abrasive wear during this time.

**IMPORTANT: USE SIGNS AND BARRIERS** to keep traffic out of the area. Do not allow any water on coated surface for 24-48 hours. Chemical spillage must be prevented for approximately 5 days. **NOTE:** Use DUR-A-SOLVE or a lacquer thinner for clean-up.

**JOINT GUIDELINES**

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

APPLICATION INFORMATION		
Pot life, 70°F, 50% R.H.	45 minutes	
Working time on Floor, 70°F, 50% R.H.	Armor Top Satin: 10 minutes Armor Top Gloss: 10 minutes	
Recoat Window	<24 hours	
Tack Free Time (hrs.)	Armor Top Satin	Armor Top Gloss
90°F, 80% R.H.	1 hour	1-3/4 hours
90°F, 50% R.H.	2 hours	3-1/2 hours
90°F, 35% R.H.	4 hours	5 hours
75°F, 80% R.H.	1 hour	2 hours
75°F, 50% R.H.	3 hours	4 hours
75°F, 35% R.H.	5 hours	6 hours
60°F, 80% R.H.	2 hours	2-1/4 hours
60°F, 50% R.H.	3 hours	4 hours
60°F, 35% R.H.	6 hours	7 hours
Return to Service	24 hours	
Full Chemical Resistance	7 days	

**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](http://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.