

ARMOR TOP

DESCRIPTION

ARMOR TOP is a two, three or four component aliphatic urethane protective coating. It was formulated for high traffic areas to protect against chemicals and wear. It is available in either a clear or pigmented, gloss or satin finish, and with or without high wear resistant aluminum oxide (grit).

BENEFITS

- VOC- 0 g/L clear (<100 g/L pigmented)
- Low Odor
- Light Stable
- Excellent Abrasion Resistance, 3 to 4 times better than other urethanes; 9 times better than epoxies
- Excellent Chemical Resistance

TYPICAL USES

It is designed to be used as a final topcoat over DUR-A-FLEX epoxy systems.

COLORS

ARMOR-TOP is available clear or in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

LIMITATIONS

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 and 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 over the dew point. Do not apply if RH >80% Do not apply Natural/Clear ARMOR TOP over DUR-A-GLAZE #4 with FAST or COLD CURE Hardener. Dry Time is slower when Relative Humidity is less than 30%.

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. Apply DUR-A-GLAZE TIE-COAT as a binder primer for succeeding coat. At 60°F the Tie-Coat primer must cure for a minimum of 16 hours. Please refer to the Tie-Coat PDS 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 a 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 using 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.

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.

ARMOR TOP KIT SPREAD RATES

Gloss Clear (w/grit)	= 650 SF/kit
Gloss Clear (no grit)	= 625 SF/kit
Gloss Pigmented (w/grit)	= 775 SF/kit
Gloss Pigmented (no grit)	= 750 SF/kit

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: Armor Top is sold in kits only. Spread rates vary due to differences in gloss and satin kit sizes.

ARMOR-TOP

TECHNICAL INFORMATION

VOC in g/L	0 - clear <100 pigmented
% Solids by Weight % Solids by Volume	95.2 92.5
Tensile Strength, psi, ASTM D 2370	7,000
Hardness ASTM D 3363	>4H
Taber Abrasion Resistance A&B ASTM D 4060, 1000g load, 1000 cycles, CS-17 wheel after full cure	<u>Gloss finish</u> <u>Satin finish</u> with grit - 4 mg. loss with grit - 8 mg. loss no grit - 10 mg. loss no grit - 12 mg. loss
Adhesion ASTM D 4541	Substrate Failure
UV Resistance	Excellent
Coefficient of Friction ASTM D 2047	>0.60
60° Gloss ASTM D 523	Gloss: 75 +/-10 Satin: 50 +/-10
Mixed Viscosity (Brookfield, 25°C, CPS)	500
Flash Point, Closed cup test	110°F
Pot life, 70° F, 50% R.H.	2 hours
Working time on Floor, 70°F, 50% R.H.	30 minutes
Recoat Window	< 24 hours
Drying properties, 70°F, 50% R.H. 60°F, 30% R.H. 80°F, 70% R.H.	8 hours Tack Free, 12 hours Dry 12 hours Tack Free, 18 hours Dry 4 hours Tack Free, 6 hours Dry
Full Chemical Resistance	7 days

MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart in the Contractor's Center of our website in the Contractor's center of our website.

JOINT GUIDELINES

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

PACKAGING

ARMOR TOP is available in kits only.

CLEANING

This product is considered a low maintenance flooring solution; however certain textures and service environments do require certain procedures. Please refer to the master Cleaning Guide on our website.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

KEEP OUT OF REACH OF CHILDREN.