



### FEATURES

- Extremely Durable
- Superior Adhesion
- Easy to Apply
- Back in Service Same Day
- Water Resistant & Breathable
- Abrasion, Impact Resistant
- Fire Resistant
- Chemical Resistant
- Available in 5 Standard Colors

### APPLICATIONS

- Balconies
- Walkways
- Stairs
- Pool Decks
- Floors
- Curbs
- Patios
- Sidewalks
- Decks
- Driveways

### SYSTEM COMPONENTS

- Arisfor® Bond (liquid)  
One 6-gallon pail
- Arisfor ToughDeck® (powder)  
Five 50 pound bags
- Arisfor® Mesh (fiberglass mesh)  
One 475 sq. ft. roll (38"x150')

### COVERAGE

One system unit may cover 200-450 sq. ft. depending on the site geometry, desired finish and texture, and porosity of the substrate.

### GENERAL DESCRIPTION

Arisfor ToughDeck is a three component polymerized cementitious protective coating that can be applied to a variety of horizontal interior and exterior substrates including: concrete, wood, metal, and tile. ToughDeck has superior adhesive properties and is extremely durable. This unique coating is abrasion, impact and water resistant while also allowing for the transmission of moisture vapor from within the substrate. Strong and sound, Arisfor ToughDeck provides a long lasting slip resistant surface in any temperature or climate.

### TOOLS REQUIRED

Utility knife • Clean and dry mixing container (5-gallon pail or larger) • Slow speed drill (400-600 RPM) fitted with a high viscosity mixing paddle • Trowel • Brush, roller, trowel, squeegee, or hopper gun to apply product.

### SURFACE PREPARATION

All surfaces must be sound and free from any bond obstructing substances. Methods to clean and prepare the surface can be, but are not limited to: pressure washing, degreasing, shot blasting, chemical etching, and grinding. Any standing water must be swept away or otherwise removed from the application site. If applying to new concrete, the concrete must be cured for a minimum of 28 days. Surface and ambient temperature must be 40°F (5°C) or higher. Mesh should be cut to desired sizes before product mixing is started using a utility knife or scissors. Where mesh overlaps, use a minimum of 1" overlap.

### MIX RATIO

The mix ratio affects the finish and final color; be consistent for entire project.

4 qts bond liquid to 50 lb cementitious powder = trowel grade consistency

6 qts bond liquid to 50 lb cementitious powder = slurry consistency

**DO NOT ADD WATER AT ANY TIME** to Arisfor Bond, Arisfor ToughDeck, or the final mix. **DO NOT ADD MORE THAN 6 QTS BOND TO 50 LB POWDER.**

### DIRECTIONS

**Mix:** Add 4-6 qts of bond liquid (depending on desired consistency) into the mixing container. Always put bond liquid in mixing container first. Gradually add a 50 lb bag of cementitious powder to the container while mixing with the slow speed drill. If the mix is too thick, you may add more bond liquid. **DO NOT ADD MORE THAN 6 QTS.** Be sure to remove all loose powder from the wall of the mixing container and integrate into mix. Mix for a minimum of 3-5 minutes to achieve a homogeneous lump-free blend. If there are streaks of color, continue mixing until pigment is completely integrated. Once thoroughly mixed, let mixture rest for 5-8 minutes before application. Briefly remix before beginning application.

**Apply:** Only work in an area large enough that you can confidently finish application while product is still wet. Apply a base layer approximately 1/16" to 1/8" thick to the prepared substrate. Where necessary, the base layer can be thicker to fill gaps in the substrate.

**Embed:** Immediately embed the mesh, working from the center to the edges. Lightly use trowel to fully encapsulate mesh.

**Finish:** Additional layers of product may be applied to ensure mesh is uniformly covered and the desired finish is achieved. May be finished in a variety of finishes. Dries to the touch in 2-4 hours at approximately 70°F (21°C).

**CLEAN UP**

Any surface not intended to be coated should be wiped clean using a wet cloth within minutes of application to avoid permanent adhesion. Clean tools with water before product permanently adheres.

**LIMITATIONS**

- Moving cracks may reflect in finished product.
- Expansion joints must be maintained. Either do not apply product over joint, or cut joint back in after applying.
- Product pot life is approximately 45 minutes at 70°F (21°C).

**STORAGE**

Must be stored in a cool, dry location. Keep from humid or wet areas. Protect product materials from outside elements (excessive heat, cold, rain, and moisture). Do not allow Arisfor Bond liquid to freeze.

**SURFACE TREATMENT**

The surface can be treated with an Arisfor product, or any paint, stain, or caulking that is suitable for use on concrete. Refer to that manufacturer’s recommendations for application instructions. DO NOT coat or seal Arisfor ToughDeck with any other product (other than those mentioned above), without written consent from Arisfor. Doing so will void the product warranty.

**TECHNICAL SERVICES**


Arisfor, LLC offers on-site training, troubleshooting assistance, and design questions to help any customer along the way. Our industry technicians are also on hand for any additional technical questions a customer may have.

**PRODUCT DATA**

COMPRESSIVE STRENGTH (ASTM C-780) .....	4500 PSI @ 28 DAY CURE
IMPACT RESISTANCE (ASTM D-2794) .....	35 PSI @ 6 MILS
TENSILE STRENGTH (ASTM C-780) .....	530 PSI @ 28 DAY CURE
ADHESIVE COHESIVE STRENGTH (ASTM D-4541) .....	406 PSI
WATER INTRUSION (ASTM C-160) .....	0.083 GAL/HR. (ABOVE EXCELLENT)
DRYING SHRINKAGE (ASTM C-1148) .....	0.967% @ 28 DAYS
WATER VAPOR TRANSMISSION (ASTM E-96-80).....	0.0365 GRAINS/HR. SQ. FT.
CHEMICAL RESISTANCE (ASTM D-1308-81 .....	ZERO SURFACE DETERIORATION
SCRUB RESISTANCE (ASTM D-2486-79).....	NO DETERIORATION AFTER 10,000 SCRUBCYCLES
FIRE TEST (ASTM E-84-89A).....	FLAME SPREAD = 5, SMOKE DEVELOPED =10
ACCELERATED WEATHERING (ASTM G-26 .....	NO BLISTERING, CRACKING, CHECKING, ADHESION LOSS OR DEGRADATION

**LIMITED WARRANTY**

ARISFOR, LLC., WARRANTS THAT ARISFOR TOUGHDECK MEETS MANUFACTURER’S SPECIFICATIONS. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE HEREIN DISCLAIMED, INCLUDING THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THE WARRANTY OF MERCHANTABILITY. THE EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCT SHALL BE THE REPLACEMENT OF THE PRODUCT, OR A REFUND OF THE PURCHASE PRICE. NO AGENT OR EMPLOYEE OF ARISFOR, LLC., IS AUTHORIZED TO VARY THE TERMS OF THIS WARRANTY NOTICE.

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