

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, pool decks and tile. ToughDeck® has superior adhesive properties and is extremely durable. This unique coating is abrasion resistant, impact resistant 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.

FEATURES

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

APPLICATIONS

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

SYSTEM COMPONENTS

- Arisfor® Bond (liquid)
Six (6) Gallon Pail
- Arisfor® ToughDeck (powder)
50 lb. Bag
- Arisfor® Mesh (fiberglass mesh)
475 sq. ft. (38" x 150') Roll

INSTALLATION

Coverage of one system unit may range from 200-450 square feet depending on the desired finish, texture, and porosity of the substrate.

SURFACE PREPARATION

All surfaces that are to be coated with Arisfor ToughDeck® must be sound and free from any bond obstructing substances such as loose debris, grease, oil and any other contaminants or impeding materials. Sweep away any standing water from application site. Surface and ambient temperature required to be 40°F (5°C) and rising.

MIXING

Always pour Arisfor® Bond into the mixing container first. Gradually add cementitious component and mix with a slow speed drill (400-600 rpms) and high viscosity mixing paddle. Mix ratios range from 4 quarts of Arisfor® Bond to achieve trowel grade consistency and up to 6 quarts of Arisfor® Bond for a slurry consistency for each 50 lb. bag. Mix a minimum of 3-5 minutes to achieve a homogeneous lump-free blend. Let mixture rest for 5-8 minutes prior to application. Remix before beginning application. To keep color consistency, the same mix ratios should be used when mixing additional bags. **DO NOT MIX WITH WATER.**

APPLICATION

Arisfor ToughDeck® may be applied by brush, roller, trowel, squeegee, Magic Trowel, or spray. Apply one layer of ToughDeck to substrate and then embed the mesh, working from the center to the edges, while mixture is still wet. Lightly use trowel to fully encapsulate mesh. The base material should be approximately 1/16" to 1/8" thick. Additional layers may be applied to ensure mesh is uniformly covered and the desired finish is achieved. Dries to the touch in 2-4 hours at approximately 70°F (21°C). Clean tools with water before product permanently adheres. Floors, metal, concrete, wood, tile or any surface not intended to be coated, should be wiped clean using a wet cloth within minutes of application to avoid permanent adhesion.

LIMITATIONS

- Moving cracks may reflect in finished product.
- Do not apply over expansion joints.
- Product working time is approximately 45 minutes at 70°F (21°C).

TECHNICAL SERVICES

Arisfor® 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.

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).

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.

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).....	.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

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