



## PRODUCT DATA SHEET

### DURA FAIRING MAT

#### BI-COMPONENT EPOXY BASED SURFACE & RESURFACE MORTAR

Introducing DURA FAIRING MAT, an innovative trowel-applied epoxy mortar system specifically crafted for surfacing and rejuvenating various floor slabs. Revitalize worn or damaged floors, transforming them into a consistently robust, wear-resistant surface. With its chemical resistance, DURA FAIRING MAT serves as an optimal solution for safeguarding against chemical splashes and spills, providing a durable defense against both chemical attacks and heavy floor wear

#### UTILIZATIONS

- Seamless integration for industrial flooring
- Ideal for warehouses and machine shop applications
- Suited for use in food processing and rendering plants
- Perfect for kitchen environments
- Effective in secondary chemical containment areas
- Well-suited for common chemical processing facilities
- Reliable solution for high-traffic aisle ways
- Designed for docks, ramps, and runways
- Exceptional performance on bridges

#### FEATURES & ADVANTAGES

- Swift-curing formula minimizes downtime, ensuring quick results.
- Exhibits remarkable wear and abrasion resistance against vehicular traffic.
- Suitable for both new and aging concrete structures.
- Demonstrates high bond and flexural strength, providing superior impact resistance.
- Solvent-free and consisting of 100% solids.
- Effectively shields concrete against common chemicals, ensuring reliable protection.
- Installation options include a non-slip surface for enhanced safety.
- Exceptional thermal stability due to high aggregate loading.
- Heat-resistant, withstanding temperatures up to 220°F (104°C).

#### PACKAGING

DURA FAIRING MAT is available in 2.5 kg packaging options.

#### STORAGE AND SHELF LIFE

The shelf life of DURA FAIRING MAT extends to one year when stored in its original, unopened packaging, ensuring product integrity and performance.

➤ ADMIXTURES

➤ ADHESIVES

➤ WATERPROOFING

➤ SURFACE TREATMENTS

➤ CONCRETE REPAIRS

➤ INDUSTRIAL FLOORINGS

➤ SEALANTS

➤ FUMIGATION

➤ GROUTS & ANCHORS



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### DIRECTIONS FOR APPLICATION

#### SURFACE PREPARATION

For new concrete, ensure a minimum age of 28 days with an open surface texture, free from curing compounds and sealers. Old concrete should be clean and rough, removing oil, dirt, debris, paint, and unsound concrete. Employ mechanical methods like scabblers, bush-hammers, shot-blasters, or scarifiers for a 1/8" (3 mm) surface profile.

Vacuum or pressure wash to remove residues. Acid etching is acceptable if mechanical preparation is impractical; thoroughly pressure wash away reaction salts and allow complete drying.

**Note:** Acid etched surfaces may not offer as robust a bond as mechanical preparation.

#### JOINTS AND EDGES

Saw-cut edges 1/4" (6 mm) more than overlay thickness, notch at overlay edge. Bring moving joints through the overlay via saw-cutting or a divider strip. Cracks over 1/16" (2 mm) wide should be routed to 1/4" (6 mm) width and depth before mortar application.

#### PRIMING

After surface preparation, prime with DURA PRIMER at the recommended coverage rate. Rough surfaces may need a stiff broom; shot-blasted surfaces permit roller application.

#### MIXING

Ensure all materials are within the 60°F (16°C) to 90°F (32°C) temperature range. Mix resin and hardener (parts A and B) for 2 minutes, then add Part C. Mix for an additional 2 minutes or until all aggregate is covered. For large placements, mix epoxy separately, then combine in a mortar mixer and place immediately.

#### PLACEMENT

Discharge mixed material onto the floor. For patching, use a trowel, come a-long, or square-tipped shovel to achieve 1/8" (3 mm) higher thickness than the final desired overlay height. Compact and finish by hand or machine trowel.

#### SEALING

If desired, seal or top coat with DURA PRIMER. Enhanced chemical resistance can be achieved with a top coat of DURA Primer. Refer to specific technical data sheets for chemical resistance information. Shelf life is 1 year in the original, unopened package.

#### CLEAN-UP

Clean tools and equipment with solvents like DURA Solvent, xylene, xylol, toluene, or MEK. Prevent epoxy hardening on equipment.

### PRECAUTIONS / LIMITATIONS

Precautions and Limitations:

- Intended for indoor use exclusively.
- Avoid application in spaces with a sustained floor temperature surpassing 220°F (104°C).

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- Store at room temperature, specifically between 60-70°F (16-21°C), for a minimum of 24 hours before utilization."

### STORAGE GUIDELINES

Exercise caution by avoiding direct exposure to sunlight, and consistently store the materials in shaded areas to preserve their integrity and performance.

TECHNICAL INFORMATION			
<b>Typical Engineering Data</b>			
<b>Apperance</b>			
Grey Color			
<b>S.G</b>	1.7 mixed material		
Volume solids	100%		
<b>Pot Life on 1 pint mass</b>			
<b>60oF</b>	<b>75oF</b>	<b>90Of</b>	
(16oC)	(24oC)	(32oC)	
40 min	35 min	30 min	
<b>Working Time</b>			
1.5 hr	1 hr	40 min	
<b>Compressive Strength</b>			
ASTM C 579, 2" (50 mm) cubes			
<b>Age Strength</b>			
1 day	7250 psi	50 N/mm2)	
7 days	12325 psi	(85 N/mm2)	
28 days	14065 psi	(97 N/mm2)	
<b>Split Tensile Strength ASTM C- 496</b>			
2,300 psi (16 N/mm2)			
<b>Flexural Strength ASTM C 580</b>			
4,300 psi (30 N/mm2)			
<b>Bond Strength ASTM C 882</b>			
3,100 psi (21 N/mm2)			

Chemical Resistance, Splash and Spill	
<b>Acids Solvents</b>	
Acetic.....	Poor
Acetone.....	Good
Battery.....	excellent
Aromatic .....	Good
Citric .....	Good
Gasoline .....	Good
Hydrochloric, MEK .....	Poor
20%....	Excellent
Mineral Fatty Acid...	excellent
Spirits .....	Excellent
Lactic. ....	Excellent
Toluene .....	Fair
Nitric10% .....	Poor
Xylene .....	Fair
Sulfuric, 50% .....	Good
<b>Alkalies –</b>	
CausticSoda. 10%..	Excellent
<b>Miscellaneous</b>	
Brake Fluid .....	Good
Transmission Fluid....	Good
Animal Fat .....	Excellent
Salts.....	Excellent
Urine.....	Excellent

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### WARRANTY:

Durachem Construction Chemicals ("Durachem") affirms and warrants exclusively that its products shall be devoid of any defects in materials and workmanship for a duration of six (6) months from the date of purchase. Without written authorization from a designated Durachem officer, no other statements or representations made by Durachem or its representatives, whether conveyed in written or oral form, shall have the authority to modify this warranty. Durachem explicitly **DISCLAIMS ALL WARRANTIES, IMPLIED OR OTHERWISE**, pertaining to the merchantability or fitness for ordinary or specific purposes of its products. In the event of any Durachem product failing to meet this warranty, Durachem commits to replacing the product at no expense to the Buyer.

The replacement of the product stands as the sole and exclusive remedy available, and the Buyer shall not have any entitlement to claims for incidental or consequential damages. Any claims under this warranty must be initiated within one (1) year from the date of the alleged breach. Durachem expressly does not empower any individual on its behalf to make written or oral statements that would alter the installation information or instructions found in its product literature or on packaging labels. Any installation of Durachem products that deviates from such information or instructions will result in the voidance of this warranty. Product demonstrations, if conducted, serve purely as illustrations and do not constitute a warranty or modification of any nature. The Buyer assumes complete responsibility for evaluating the suitability of Durachem's products for their intended purposes.

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