



## DURA FLOW 50

### THREE-COMPONENT SELF-LEVELING EPOXY RESIN FLOORING SYSTEM

Dura Flow 50 is a high-performance, three-component self-leveling epoxy resin flooring system designed for industrial environments with heavy traffic loads. It provides exceptional mechanical strength, chemical resistance, and seamless surface finishing, making it ideal for demanding industrial and commercial applications.

#### USES

- Industrial floors subject to heavy machinery and vehicular traffic.
- Warehouses, production plants, and logistics centers.
- Food processing and pharmaceutical industries requiring hygienic surfaces.
- Automotive and aerospace manufacturing facilities.
- Chemical and oil processing plants with exposure to aggressive substances.

#### KEY BENEFITS

- Seamless, self-leveling finish for smooth, durable flooring.
- Exceptional resistance to abrasion, impact, and heavy loads.
- High chemical resistance against oils, acids, solvents, and alkalis.
- Hygienic, easy-to-clean, and dust-free surface.
- Fast-curing with minimal downtime for installations.

#### TECHNICAL DATA:

- **Composition:** Three-component epoxy resin system
- **Appearance:** Glossy, seamless surface
- **Mixing Ratio:** Pre-measured components
- **Pot Life:** 30 – 45 minutes at 25°C
- **Curing Time:**
  - **Foot Traffic:** 24 hours
  - **Full Cure:** 7 days
- **Compressive Strength (ASTM C579):** >80 MPa
- **Flexural Strength (ASTM C580):** >25 MPa
- **Adhesion Strength:** >2.5 N/mm<sup>2</sup>
- **Thickness Range:** 2 – 5 mm

## PRODUCT DATA SHEET

➤ ADMIXTURES

➤ ADHESIVES

➤ WATERPROOFING

➤ SURFACE TREATMENTS

➤ CONCRETE REPAIRS

➤ INDUSTRIAL FLOORINGS

➤ SEALANTS

➤ FUMIGATION

➤ GROUTS & ANCHORS





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FLOORING SYSTEM**

APPLICATION INSTRUCTIONS:

**SURFACE PREPARATION**

Ensure the substrate is clean, dry, and free from contaminants. Mechanically prepare the surface using grinding or shot blasting for maximum adhesion.

Apply Duratech Epoxy Primer to enhance bonding.

**1) MIXING**

- Mix the resin (Part A) and hardener (Part B) using a low-speed mechanical mixer.
- Gradually add the filler (Part C) while mixing until a uniform, lump-free consistency is achieved.

**2) APPLICATION**

- Pour the mixed material onto the prepared surface.
- Spread evenly using a notched trowel or squeegee.
- Use a spiked roller to remove air bubbles and ensure smooth levelling.

**CURING & MAINTENANCE**

- Protect from water and contaminants during the curing process.
- Regular cleaning with mild detergents will extend the lifespan of the flooring.

**STORAGE & SHELF LIFE**

- Store in a dry, cool place between 5°C - 30°C.
- Shelf life: **12 months** in original, unopened packaging.

**HEALTH & SAFETY**

- Use protective gloves, goggles, and masks during application.
- Ensure adequate ventilation to avoid inhalation of fumes.
- In case of skin contact, wash immediately with soap and water.





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#### ABBREVIATIONS

- **MPa** – Megapascals (unit of pressure/strength)
- **ASTM** – American Society for Testing and Materials
- **N/mm<sup>2</sup>** – Newton per square millimeter

#### WARRANTY:

DURATECH Construction Chemicals ("DURATECH") 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 DURATECH officer, no other statements or representations made by DURATECH or its representatives, whether conveyed in written or oral form, shall have the authority to modify this warranty. DURATECH 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 DURATECH product failing to meet this warranty, DURATECH 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. DURATECH 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 DURATECH 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 DURATECH's products for their intended purposes



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