



Epoxy Flooring System for – Commercial Kitchens & Food Preparation Areas

By Ressichem Private Limited

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Why Epoxy Flooring For **Commercial Kitchens & Food Preparation Areas**

Commercial kitchens and food preparation areas operate under **demanding hygiene and safety requirements**. The floor must endure **constant foot traffic, moderate mechanical stress, hot water washdowns, mild cleaning chemicals, and frequent sanitization**—all while remaining smooth, seamless, and easy to clean.

The **Epoxy Flooring System for – Commercial Kitchens & Food Preparation Areas** provides a **durable, hygienic, and mildly chemical-resistant surface**, designed to prevent bacterial buildup and withstand operational cleaning routines. Built with Ressichem epoxy technology, the system ensures a **long-lasting, seamless finish** suitable for food-handling environments.

Recommended Use Cases

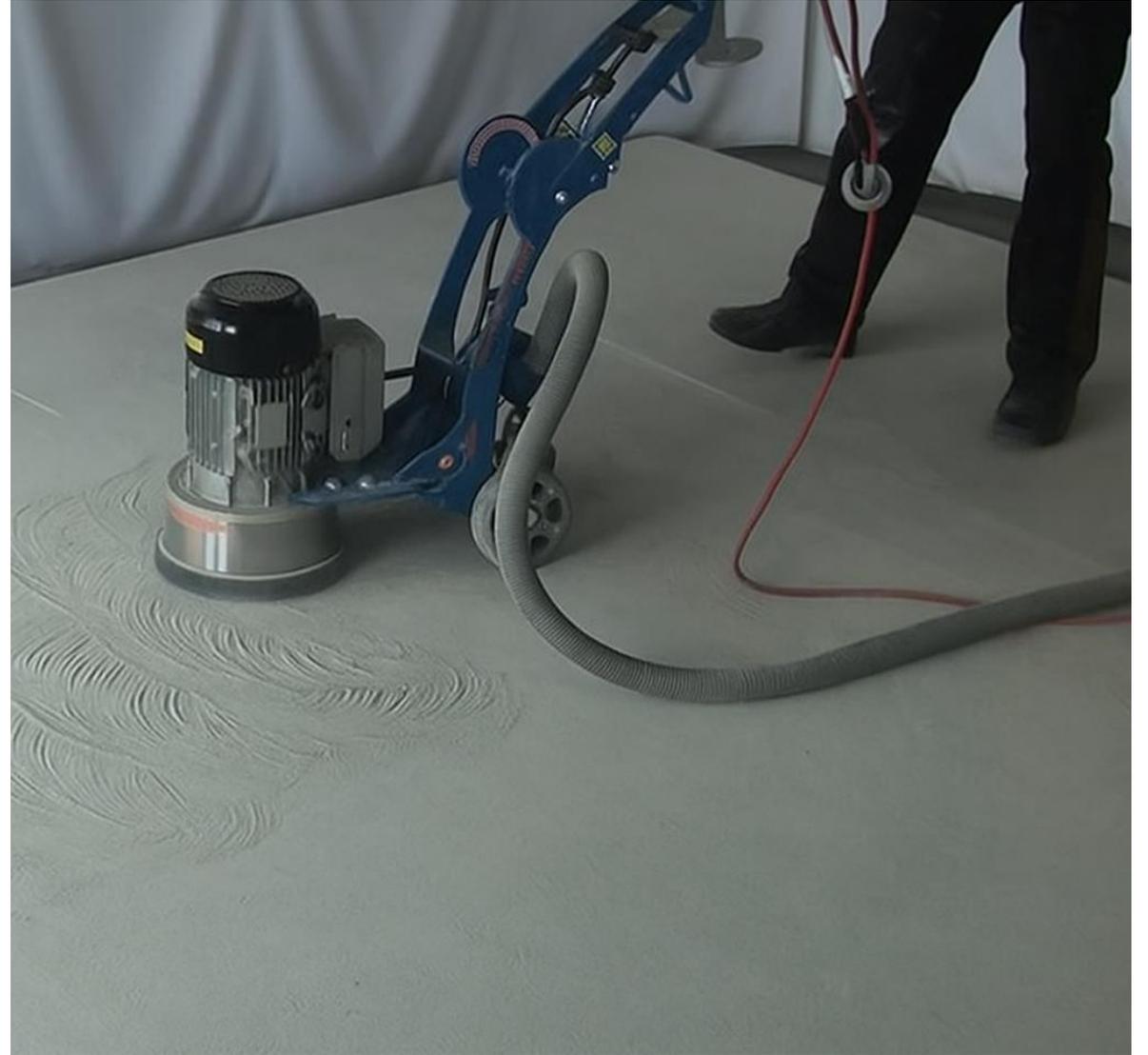
- Commercial kitchens and bakeries
- Centralized food production units
- Hotel and restaurant preparation zones
- Institutional and canteen kitchens
- Food packaging and handling areas
- Cold storage and dry food storage sections



Step 1: Surface Preparation

Proper surface preparation ensures maximum adhesion and long-term flooring performance.

- Confirm that the concrete substrate is **sound, clean, and levelled**
- Mechanically grind or shot-blast to remove laitance, surface contaminants, and weak layers.
- Repair cracks or voids using **Ressichem recommended epoxy crack fillers** for concrete floors.
- Remove all dust using industrial vacuuming.
- Ensure **substrate moisture is below 5 %** before proceeding with epoxy application.



Step 2: Application of Ressi EPO Primer LV

Apply **Ressi EPO Primer LV**, a low-viscosity, solvent-free epoxy primer designed for deep penetration and strong bonding.

- Mix resin and hardener thoroughly in the specified ratio.
- Apply evenly with a roller or brush, ensuring complete surface coverage.
- Avoid puddling and allow curing as per ambient temperature before recoating.



Step 3: Application of Ressi EPO Mid Coat S – GP (Optional but Recommended)

For levelling and enhanced impact resistance, apply **Ressi EPO Mid Coat S – GP**.

- Apply at a **minimum thickness of 1000 microns**; **2000 microns** are recommended for heavy kitchen zones.
- Spread with a notched trowel or squeegee, followed by back-rolling for uniform finish.
- Allow curing overnight or as per temperature conditions.
- This layer may be **omitted** if the substrate is already smooth and level.



Step 4: Application of Final Epoxy Topcoat

Select the topcoat based on whether a mid coat is applied:

- **If Mid Coat Applied:**
Apply **Ressi EPO Tough Might Econo** at a **minimum thickness of 1000 microns**. This ensures a durable, seamless, and easy-to-clean finish with mild chemical resistance.
- **If Mid Coat Not Applied:**
Apply **Ressi EPO Floor Plus Econo** at a **minimum total thickness of 2000 microns**. This ensures the floor achieves the necessary build and durability.
- Mix both components thoroughly as per manufacturer's instructions.
- Apply using a roller or squeegee for uniform coverage.
- Allow **48–72 hours** for light traffic and **7 days** for full operational exposure.



Step 5: Floor Markings (If Required)

Where floor zoning or work area demarcation is necessary (e.g., dry vs. wet zones), use **Ressi EPO Roll Coat** for markings.

- Ensure the base coat is clean and fully cured.
- Apply with masking tape to achieve precise edges.
- Allow adequate curing before opening to use.





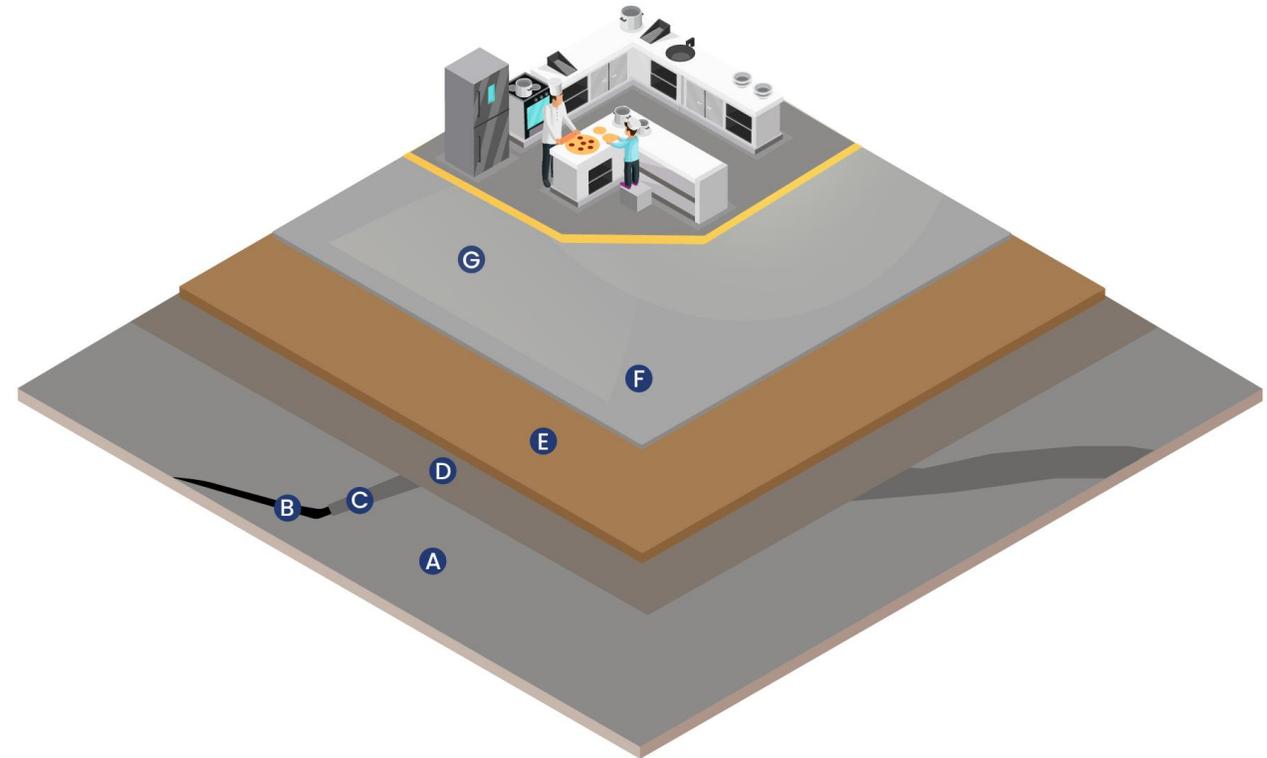
System Summary Table

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Parameter	Description
System Name	Epoxy Flooring System for – Commercial Kitchens & Food Preparation Areas
Area Type	Commercial Kitchens, Food Prep Zones, Canteens, and Processing Units
Traffic Exposure	Medium Duty
Primary Requirements	Hygiene, Mild Chemical Resistance, Cleanability, Durability
Primer	Ressi EPO Primer LV
Mid Coat (Optional)	Ressi EPO Mid Coat S – GP (1000–2000 microns)
Topcoat	Ressi EPO Tough Might Econo (with Mid Coat) / Ressi EPO Floor Plus Econo (without Mid Coat)
Floor Marking Coat (Optional)	Ressi EPO Roll Coat
Total System Thickness	Minimum 2000 Microns
Finish Type	Smooth, Semi-Gloss
Curing Time Before Use	48–72 Hours for Mild Traffic / 7 Days Full Cure
Key Benefits	Hygienic, Mild Chemical Resistant, Easy to Clean, Durable, Seamless Finish

System Diagram

- A) Cementitious Surface: (Concrete slab or screed)
- B) Cracks and surface damage
- C) Crack Filler and Repairing Materials
- D) Ressi EPO Primer LV
- E) Ressi EPO Mid Coat S – GP
- F) Ressi EPO Tough Might Econo / Ressi EPO Floor Plus Econo
- G) Ressi EPO Roll Coat (Marking)



Thank You

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