

EPOXY FLOORING SYSTEM FOR SUPERMARKETS & HYPERMARKETS



Introduction

Supermarkets and hypermarkets experience continuous pedestrian movement, trolley traffic, and regular cleaning and maintenance cycles. The flooring system for such facilities must provide durability, hygiene, aesthetic appeal, and ease of maintenance while maintaining a smooth and safe walking surface.

The Epoxy Flooring System for – Supermarkets & Hypermarkets is a medium-duty, high-build epoxy flooring system engineered to deliver a seamless, visually appealing, and durable surface ideal for high-traffic retail environments.

Recommended Use Cases

- Supermarkets and grocery stores
- Hypermarkets and large retail complexes
- Departmental stores and convenience outlets
- Commercial retail spaces with frequent cleaning cycles
- Back-of-store storage and dry goods handling areas

Step-Wise System Description

Step 1: Surface Preparation

Proper substrate preparation is crucial to ensure long-lasting adhesion and a uniform finish.

All necessary surface repairs, including crack filling or substrate restoration, must be completed prior to the application of any epoxy flooring materials. Ressichem offers a range of suitable crack fillers and repair compounds, including non-shrink cementitious grouts, specifically designed for surface preparation and repair.

- Mechanically prepare the surface via grinding or shot-blasting to remove weak layers.
- Fill cracks and surface defects using Ressichem epoxy crack fillers.
- Vacuum the surface thoroughly to remove dust and contaminants.
- Ensure the substrate moisture content is below 5% prior to primer application.

Step 2: Application of Ressi EPO Primer LV

Apply Ressi EPO Primer LV, a low-viscosity, solvent-free epoxy primer designed to ensure strong adhesion between the substrate and subsequent coatings.

- Mix resin and hardener in the correct ratio as per the technical datasheet.
- Apply uniformly with a roller or brush to achieve full coverage.
- Allow the primer to cure completely before applying the next layer.

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

For additional surface levelling or to achieve a smoother finish, apply Ressi EPO Mid Coat S – GP.

- Recommended minimum thickness: 1000 microns; 2000 microns for optimal flatness and uniformity.
- Apply with a notched trowel or squeegee, followed by back-rolling to eliminate air entrapment.
- Allow to cure overnight before applying the topcoat.
- This step is optional, depending on the existing surface level and aesthetic requirements.

Step 4: Application of Ressi EPO Tough Might or Ressi EPO Floor Plus

Apply Ressi EPO Tough Might or Ressi EPO Floor Plus, depending on system configuration and surface build.

- If Ressi EPO Mid Coat S – GP is used, apply Ressi EPO Tough Might at 1000 microns.
- If no mid coat is used, apply Ressi EPO Floor Plus at 2000 microns to achieve the total required film build.
- Apply with a roller or flat squeegee for a smooth, even surface.
- Allow 48–72 hours before allowing mild traffic and 7 days for full cure.

Step 5: Floor Markings (If Required)

For safety and directional markings, use Ressi EPO Gloss Might in a contrasting color as a roller-applied coating.

- Ensure the surface is fully cured before application.
- Use masking tape for clean and defined lines.
- Allow complete curing before reopening the area for regular use.

Note:

- The total system thickness must be a minimum of 2000 microns for sustained performance and wear resistance.
- Always consult individual Technical Datasheets (TDS) for detailed mixing ratios, coverage data, and application guidelines before execution.

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System Advantages

- **High Durability:** Withstands heavy pedestrian and trolley movement.
- **Hygienic and Seamless:** Easy to clean and maintain for food-related environments.
- **Glossy Finish:** Enhances lighting and visual appeal within retail spaces.
- **Chemical Resistance:** Resists cleaning agents and mild detergents used in maintenance.
- **Customizable System:** Optional mid coat allows surface levelling flexibility.
- **Slip-Resistant Options:** Can be textured in wet-prone or high-traffic areas.

Maintenance Guidelines

- Clean regularly using neutral pH detergents or mild cleaning agents.
- Avoid harsh chemicals and abrasive pads that may dull the finish.
- Conduct routine inspections for surface wear or scratches.
- Recoat high-traffic areas periodically to maintain appearance and protection.

System Summary Table

Parameter	Description
System Name	Epoxy Flooring System for – Supermarkets & Hypermarkets
Area Type	Retail, Commercial, and Grocery Environments
Traffic Exposure	Medium Duty
Primary Requirements	Durability, Hygiene, Aesthetics, Ease of Maintenance
Primer	Ressi EPO Primer LV
Mid Coat (Optional)	Ressi EPO Tough Might (with Mid Coat) / Ressi EPO Floor Plus (without Mid Coat)
Topcoat	Ressi EPO Tough Might (with Mid Coat) / Ressi EPO Floor Plus (without Mid Coat)
Marking Coat (Optional)	Ressi EPO Gloss Might (Roller Applied, Alternate Color)
Total System Thickness	Minimum 2000 Microns
Finish Type	Smooth, Gloss
Curing Time Before Use	48–72 Hours for Mild Traffic / 7 Days Full Cure
Key Benefits	Durable, Seamless, Hygienic, Glossy, Easy to Clean

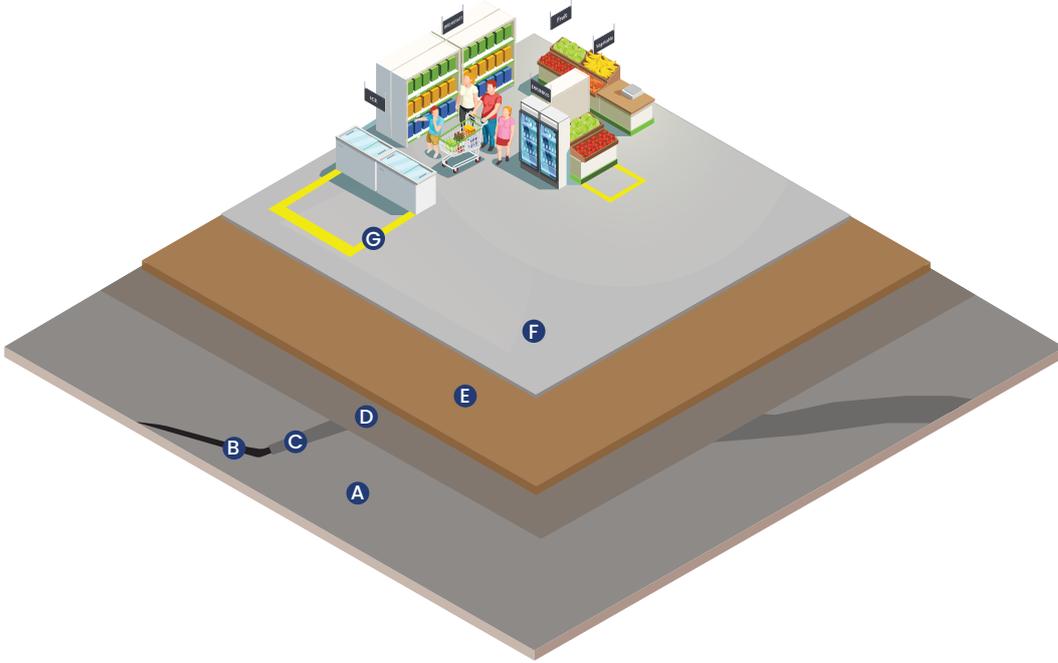
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Conclusion

The Epoxy Flooring System for – Supermarkets & Hypermarkets offers a durable, hygienic, and visually appealing flooring solution tailored for modern retail facilities.

The process — Surface Preparation, Ressi EPO Primer LV, (Optional) Ressi EPO Mid Coat S – GP, Ressi EPO Tough Might or Ressi EPO Floor Plus, (Optional) Ressi EPO Gloss Might — ensures a seamless, reflective, and long-lasting surface ideal for both customer-facing and back-end operational zones.

System Summary



- 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 / Ressi EPO Floor Plus
- G) Ressi EPO Gloss Might (Marking)