Epoxy Flooring System for – Warehouses & Logistics Centers

By Ressicem Private Limited

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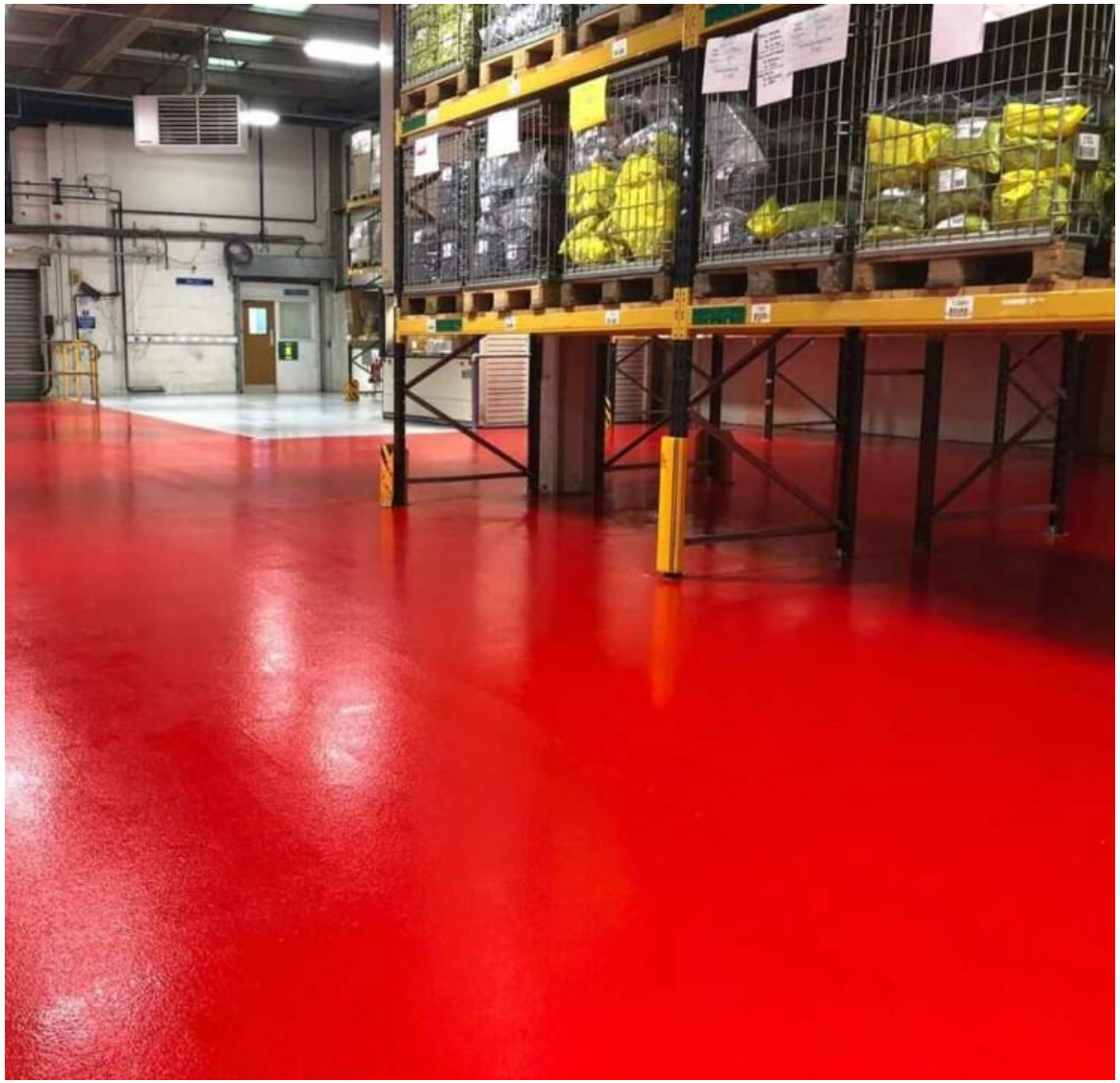
Why Epoxy Floorings at **Warehouses & Logistics Centers**

Warehouses and logistics centers require **high-build, durable, and impact-resistant flooring systems** capable of withstanding continuous traffic from forklifts, trolleys, and material-handling vehicles. The surface must resist abrasion, handle moderate mechanical stress, and maintain an even finish for safe and efficient operations.

The **Epoxy Flooring System for – Warehouses & Logistics Centers** is a **medium-duty, high-build system** designed to offer **mechanical strength, abrasion resistance, and mild chemical tolerance**. Utilizing Ressichem's high-performance epoxy coatings, this system delivers a **seamless, low-maintenance, and long-lasting surface** ideal for industrial and logistical operations.



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Recommended Use Cases

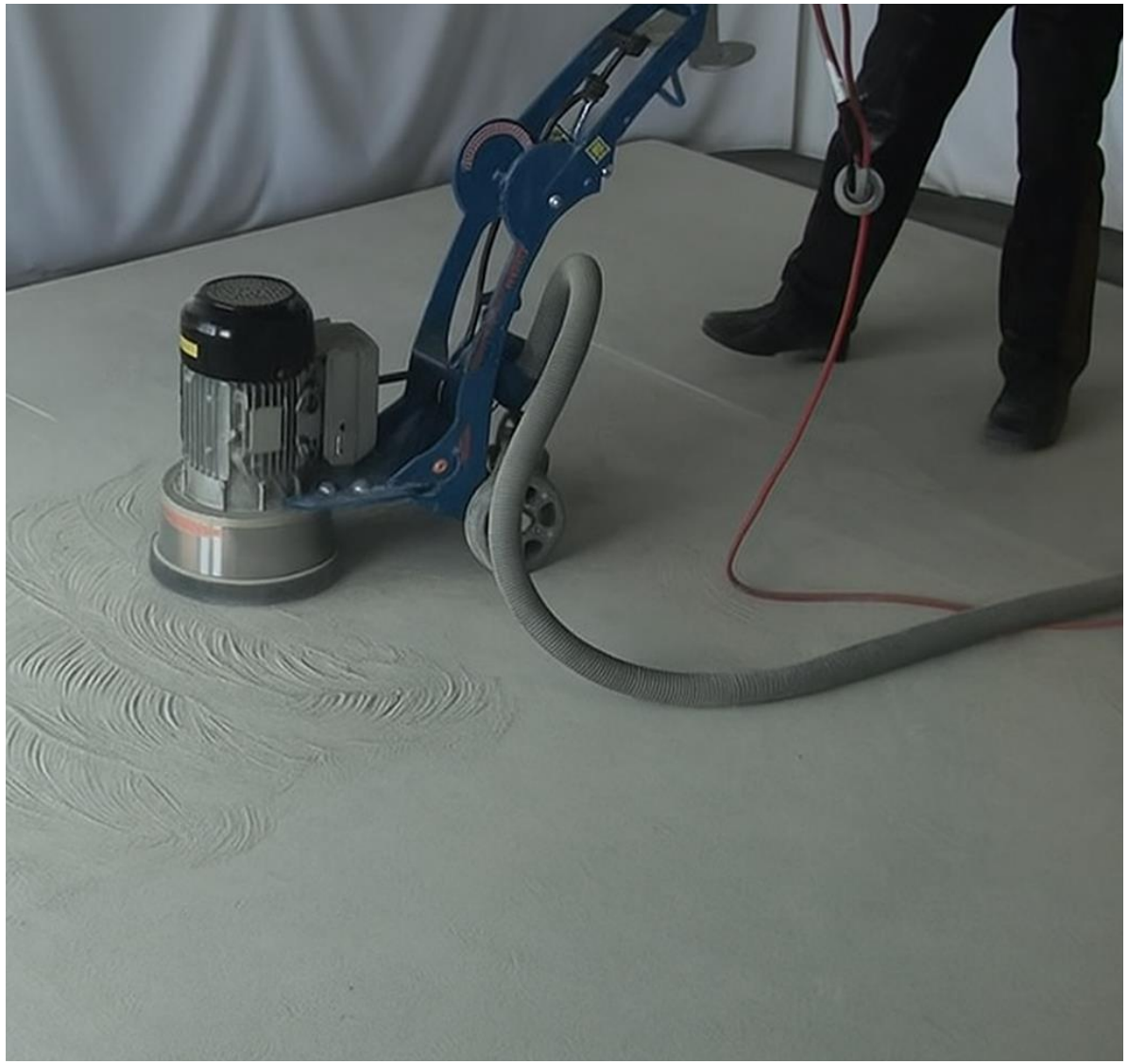
This system is ideal for:

- Warehouses and distribution hubs
- Storage depots and packaging zones
- Loading and unloading areas
- Maintenance corridors and handling aisles
- Logistic and transit facilities

Step 1: Surface Preparation

Proper surface preparation ensures the long-term performance and adhesion of the epoxy system.

- Ensure the substrate is **sound, levelled, and of adequate compressive strength**
- Mechanically grind or shot-blast to remove laitance, weak layers, and surface contaminants.
- Fill cracks and surface voids using **Ressichem recommended epoxy crack fillers**.
- Thoroughly clean the surface with an industrial vacuum to remove all dust.
- Confirm that **substrate moisture is below 5%** prior to priming.



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Step 2: Application of Ressi EPO Primer LV

Apply **Ressi EPO Primer LV**, a low-viscosity, solvent-free epoxy primer formulated for strong substrate penetration and adhesion.

- Mix resin and hardener thoroughly in the specified ratio.
- Apply evenly using a roller or brush, ensuring full surface coverage without puddling.
- Allow to cure as per ambient temperature before proceeding.

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

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

- Apply at a **minimum thickness of 1000 microns**; **2000 microns are recommended** for high-traffic warehouse operations.
- Spread evenly with a notched trowel or squeegee, followed by back-rolling for a uniform finish.
- Allow to cure overnight or as per the recommended recoat time.
- This step may be **skipped if the existing surface is already level and even.**

Step 4: Application of Final Epoxy Topcoat

Select the appropriate topcoat based on whether a mid coat has been applied:

- **If Mid Coat Applied:** Apply **Ressi EPO Tough Might** at a **minimum thickness of 1000 microns** for a smooth, abrasion-resistant finish.
- **If Mid Coat Not Applied:** Apply **Ressi EPO Floor Plus** at a **minimum thickness of 2000 microns** to achieve the required overall system build.
- Mix resin and hardener as per instructions and apply evenly using a roller or squeegee.
- Allow **48–72 hours** for mild traffic and **7 days** for full mechanical use.

Step 5: Floor Markings *(If Required)*

Where traffic guidance or zoning is needed, apply **Ressi EPO Roll Coat** in the designated areas.

- Ensure the base surface is fully cured and clean before marking.
- Use masking tape for precise, defined lines.
- Allow sufficient curing time before reopening the area to use.

Note: The **total system thickness must be at least 2000 microns**.

- If no mid coat is applied, use **Ressi EPO Floor Plus** at 2000 microns to achieve this build.
- For further details such as **mixing ratios, pot life, recoat intervals, coverage, and environmental guidelines**, always refer to the **individual product Technical Datasheets (TDS)** before application.

System Summary Table

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Parameter	Description
System Name	Epoxy Flooring System for – Warehouses & Logistics Centers
Area Type	Warehouses, Storage, and Logistics Facilities
Traffic Exposure	Medium to Heavy Duty
Primary Requirements	Mechanical Strength, Abrasion Resistance, Mild Chemical Resistance
Primer	Ressi EPO Primer LV
Mid Coat (Optional)	Ressi EPO Mid Coat S – GP (1000–2000 microns)
Topcoat	Ressi EPO Tough Might (with Mid Coat) / Ressi EPO Floor Plus (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	Durable, Impact-Resistant, Mild Chemical Tolerance, Seamless Industrial Finish

System Summary Diagram

A) Cementitious Surface: (Concrete slab or screed)

B) Cracks and surface damage

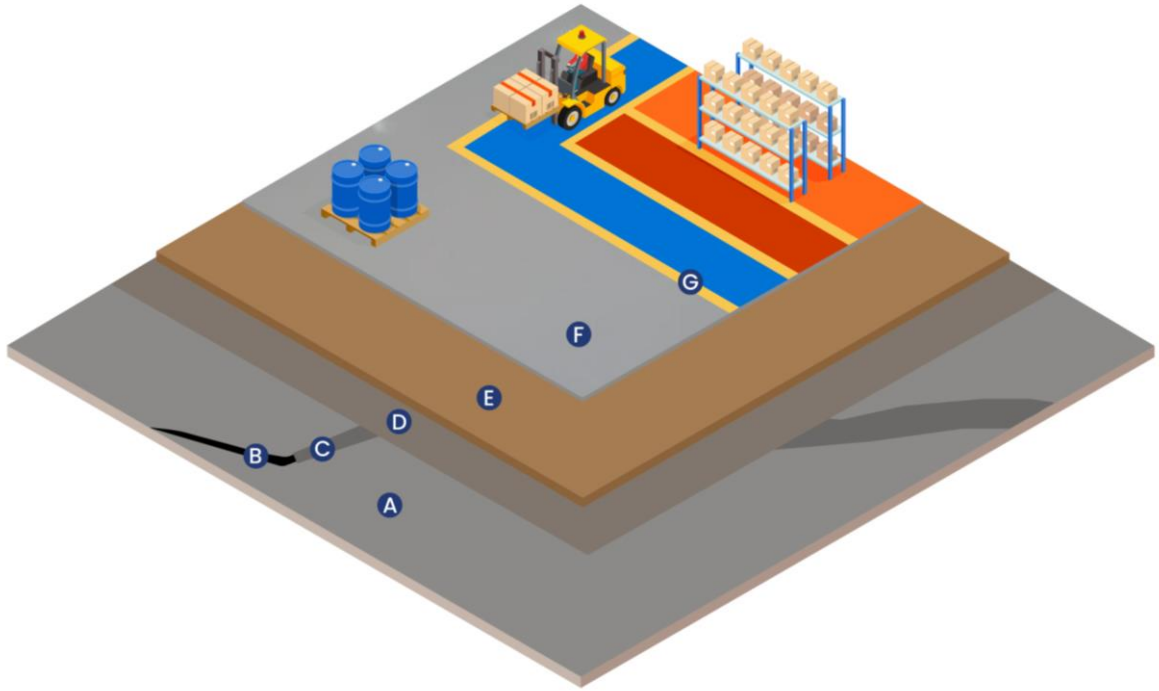
C) Crack Filler and Repairing Materials

D) Ressi EPO Primer LV

E) Ressi EPO Mid Coat S – GP

F) Ressi EPO Tough Might / Ressi EPO Floor Plus

G) Ressi EPO Roll Coat (Marking)



Thank You

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