# Epoxy Flooring system for – Hospitals & Clinical (Non-Critical Areas)

By Ressichem Private Limited

RESSICHEM®
adding life and value to your property

# Why Epoxy Floorings at **Hospitals & Clinical (Non-Critical Areas)**

Hospital and clinical facilities require flooring systems that are **hygienic, easy to clean, and durable**, ensuring a safe and sanitary environment. In non-critical areas such as corridors, waiting rooms, consultation spaces, and administrative zones, the flooring should prioritize **cleanability, appearance, and long-term service life**, while resisting regular foot traffic and cleaning cycles.

The Ressichem Epoxy Flooring system for **Hospitals & Clinical (Non-Critical Areas)** combines well-established primers, optional self-levelling layers, and a seamless epoxy topcoat to deliver a **hygienic, smooth, and low-maintenance surface** suitable for healthcare

RESSICHEM®
adding life and value to your property

# Recommended Use Cases

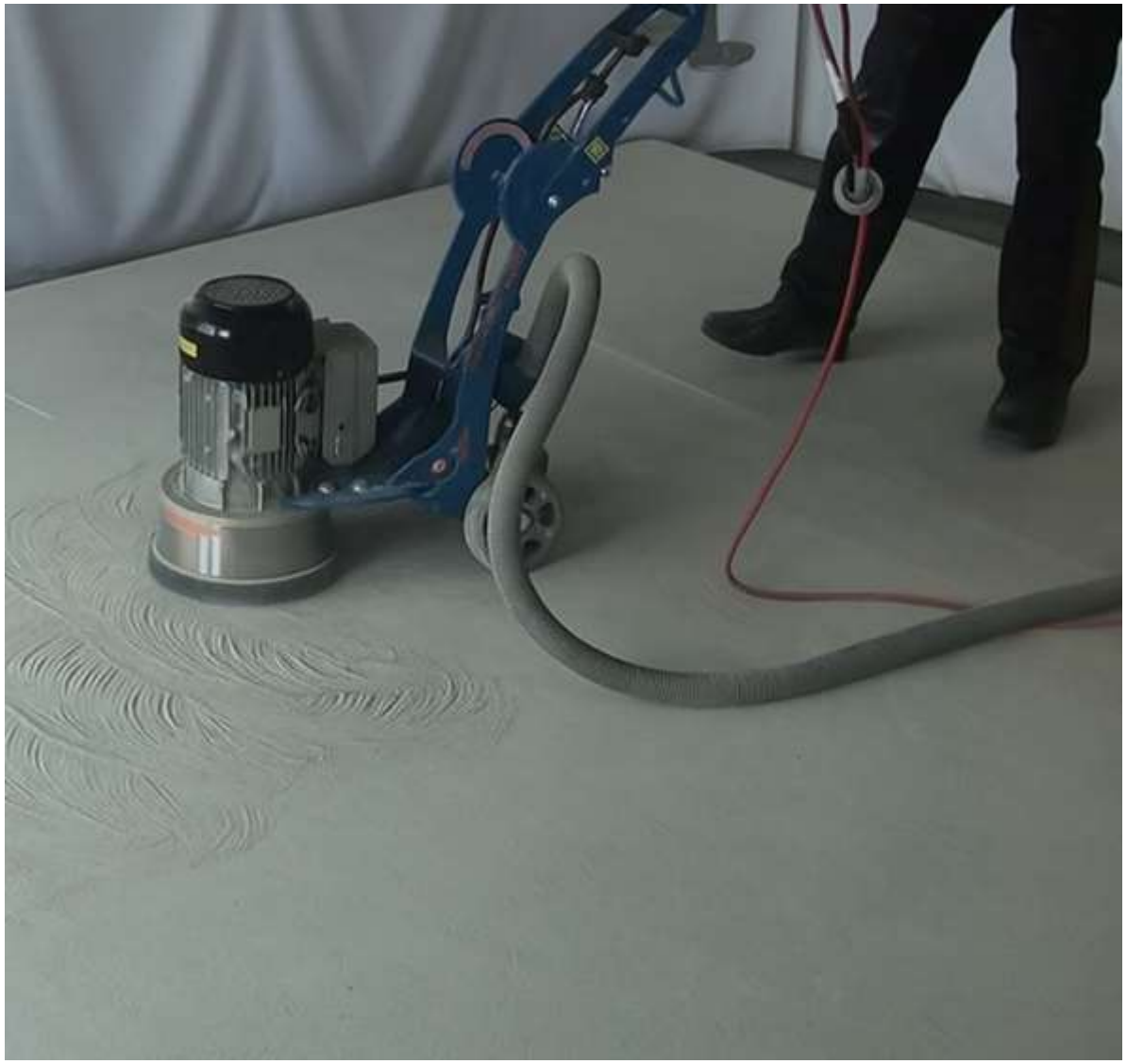
**This system is ideal for:**

- Hospital corridors and waiting areas
- Outpatient clinics and consultation rooms
- Staff offices and reception zones
- Pharmacy preparation areas (non-sterile)
- Diagnostic and administrative laboratories
- Rehabilitation and physiotherapy rooms

# Step 1: Surface Preparation

Ensure the substrate is a **sound, levelled screed of adequate strength** (minimum 25 MPa).

- Mechanically grind or shot-blast to remove laitance and contaminants.
- Clean the surface to eliminate oil, grease, and dust.
- Fill surface cracks or voids with an epoxy repair mortar.
- Confirm the **substrate moisture level is below 5 %** before proceeding.



# Step 2: Application of Ressi SLS Primer – 1 *(If Required)*

- Apply **Ressi SLS Primer – 1**, a latex-based primer that promotes bonding between the substrate and self-levelling layer (if used).
  - Stir thoroughly before use.
  - Apply uniformly by roller, brush, or spray.
  - Avoid puddling; allow 2 – 4 hours to dry to a tack-free condition.

# Step 3: Application of Ressi SLS 610 Self-Levelling Screed *(If Required)*

Where surface irregularities exist, apply **Ressi SLS 610**, a thin, self-levelling cementitious screed.

- Mix with clean water using a low-speed mixer.
- Spread evenly using a trowel or gauge rake.
- Use a spiked roller to remove trapped air.
- **Ressi SLS 610 does not require curing** but needs **7 – 14 days to release moisture**, depending on ambient conditions.
- Verify **moisture levels are below 5 %** before applying epoxy primer.

# Step 4: Application of Ressi EPO Primer LV

After confirming dryness, apply **Ressi EPO Primer LV**, a low-viscosity, solvent-free epoxy primer that penetrates and seals the substrate.

- Mix resin and hardener thoroughly in the prescribed ratio.
- Apply with a roller or brush ensuring uniform coverage.
- Avoid pooling and allow to cure overnight before top coating.

# Step 5: Application of Ressi EPO Tough Might

Finish with **Ressi EPO Tough Might**, a high-build, solvent-free epoxy coating designed for hospital and clinical environments requiring **hygiene, durability, and ease of cleaning**.

- Mix components thoroughly using a slow-speed drill.
- Apply in a single coat at a **minimum thickness of 1000 microns**, or more where required.
- Back-roll to achieve an even surface.
- Allow **48 – 72 hours before opening to mild traffic**, and **7 days for full cure** before maintenance cleaning or exposure to routine operations.

**Note:** For detailed information regarding **mixing ratios, pot life, recoat intervals, coverage, and application environment**, it is strongly recommended to refer to the **individual product Technical Datasheets (TDS)** for all materials used in this system before application.

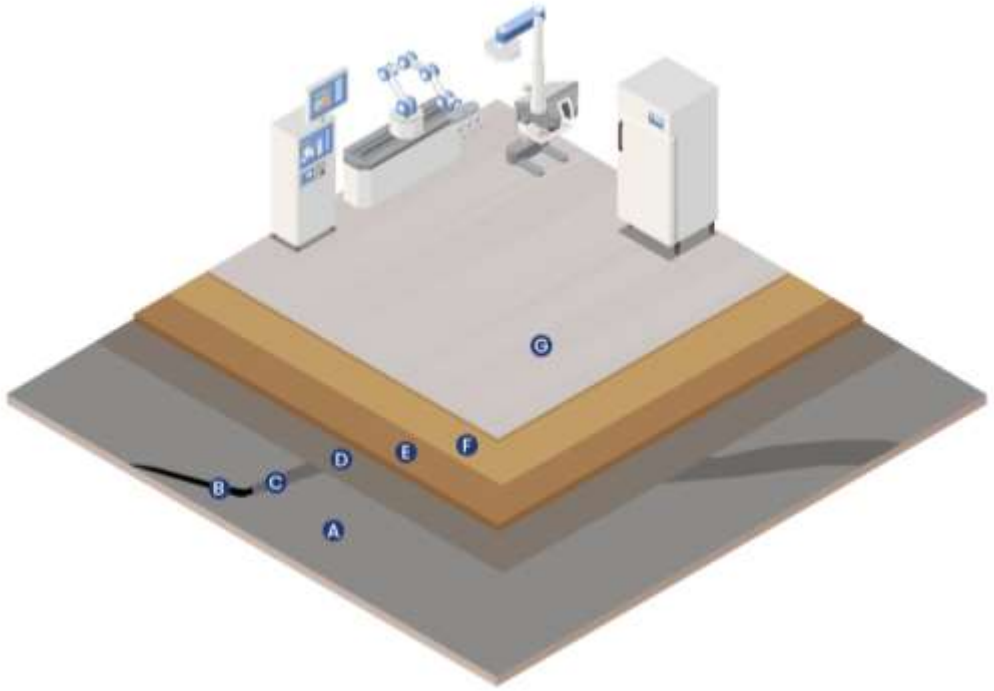
# System Summary Table

RESSICHEM®
adding life and value to your property

| Parameter | Description |
|---|---|
| **System Name** | Epoxy Flooring System for Hospitals & Clinical (Non-Critical Areas) |
| **Area Type** | Hospitals, Clinics, and Healthcare Facilities (Non-Critical Zones) |
| **Traffic Exposure** | Light to Medium Duty |
| **Primary Requirements** | Hygiene, Cleanability, Durability |
| **Optional Layers** | Ressi SLS Primer – 1, Ressi SLS 610 (if required) |
| **Primer** | Ressi EPO Primer LV |
| **Topcoat** | Ressi EPO Tough Might |
| **Total System Thickness** | Minimum 1000 Microns (Single Layer or Above) |
| **Finish Type** | Smooth, Semi-Gloss |
| **Curing Time Before Use** | 48 – 72 Hours for Mild Traffic / 7 Days Full Cure |
| **Key Benefits** | Hygienic, 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 SLS Primer - 1 (Optional)
E) Ressi SLS 610 (Optional)
F) Ressi EPO Primer LV
G) Ressi EPO Tough Might



# Thank You

**Where To Find Us**

D-83, S.I.T.E., Industrial Area, Manghopir Road,
Karachi - 75530, Pakistan.

**Tel:** +92-21-32593800-02

**Mob:** +92-309-7772464

**UAN:** +92-21-111-052-052

**Email:** info@ressichem.com

**Website:** www.ressichem.com

RESSICHEM®

adding life and value to your property