



Epoxy Flooring system for Residential Garages and Basements

By Ressichem Private Limited

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Why Epoxy Flooring at Residential Garages

Residential garages and basements are subject to low traffic and minimal mechanical or chemical exposure. Despite this, untreated concrete floors tend to dust, stain, and deteriorate over time. A structured epoxy flooring system provides a **durable, dust-free, and visually enhanced surface** suitable for such environments.

Recommended Use Cases

- Residential garages and private parking areas
- Home basements and storage rooms
- Personal workshops
- Service corridors or domestic maintenance areas

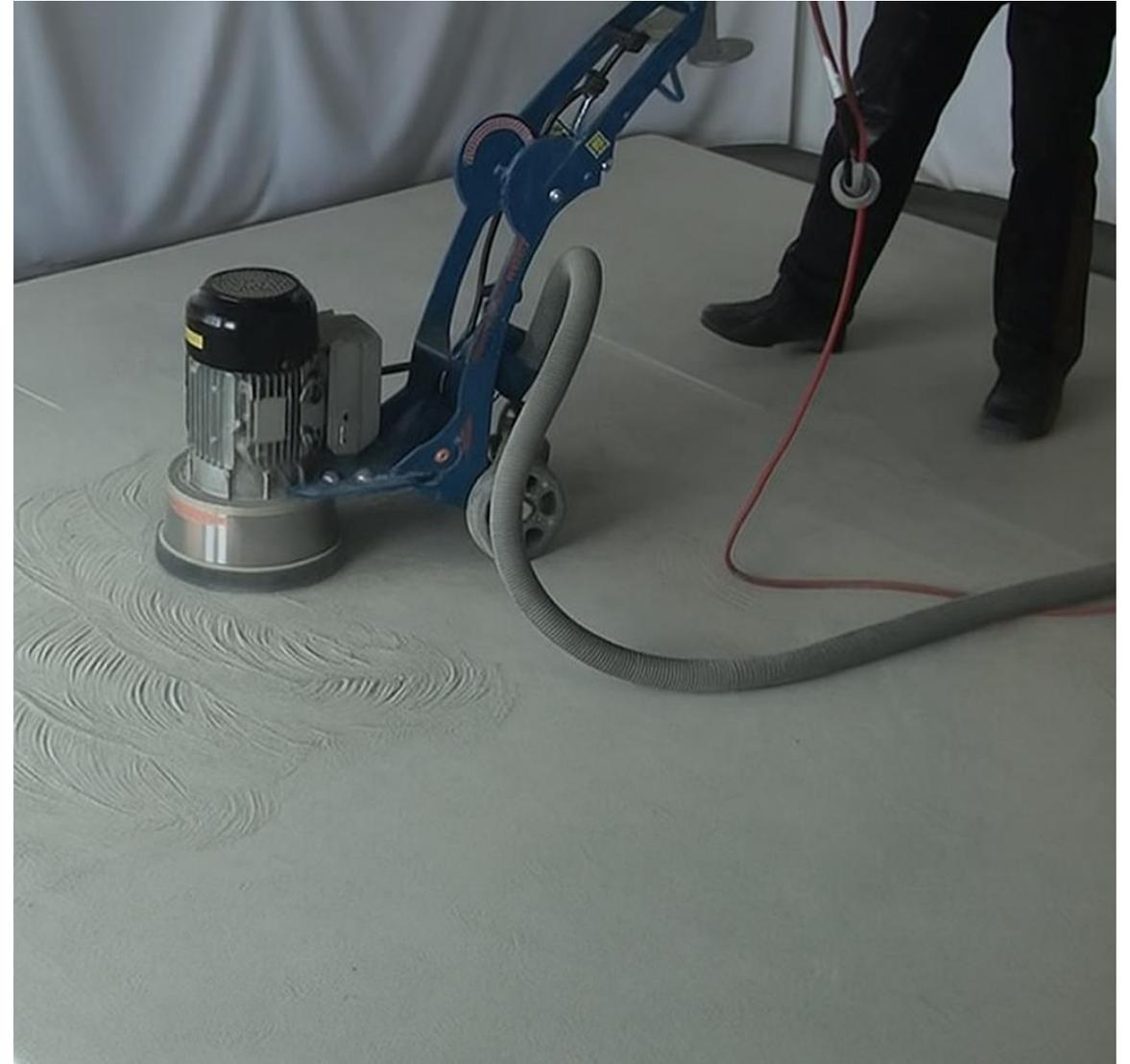


Step 1: Surface Preparation

Mechanically grind or clean the substrate to remove contaminants.

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.

Ensure the surface is sound, dust-free, and moisture content is below 5%.



Step 2: Application of Ressi SLS Primer – 1

- Latex-based primer applied to promote adhesion before self-levelling screed.
- Drying time: 2–4 hours (tack-free).



Step 3: Application of Ressi SLS 610 Self-Levelling Screed

- Provides a smooth, level base.
- Requires 7–14 days to release moisture before epoxy application.
- Verify moisture is below 5% prior to priming.



Step 4: Application of Ressi EPO Primer LV

- Low-viscosity epoxy primer to seal and strengthen the surface.
- Apply evenly and allow to cure overnight.



Step 5: Application of Ressi EPO Tough Might & Marking

High-build solvent-free epoxy coating at **minimum 1000 microns thickness.**

Apply in a Single layer, with full curing in 7 Days. Light traffic in 48 to 72 Hours.





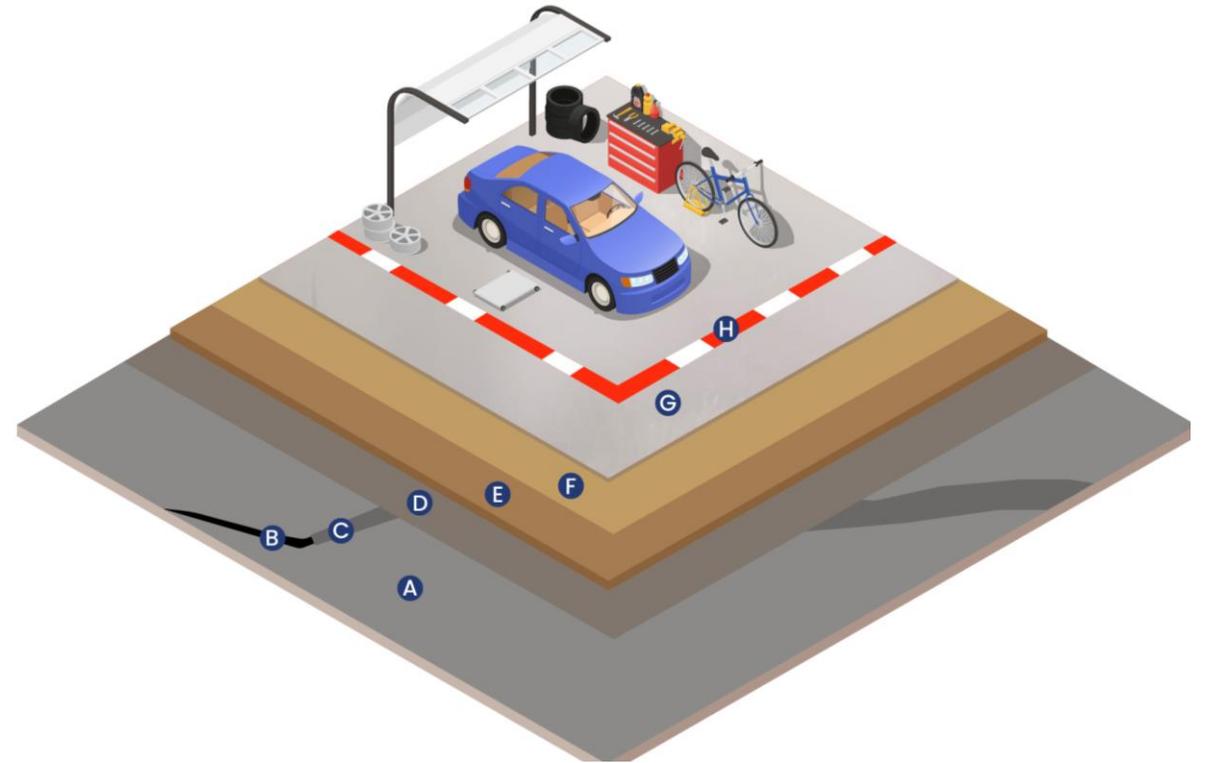
System Summary Table

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PARAMETER	DESCRIPTION
System Name	Residential Garage & Basement Epoxy Flooring
Area Type	Garages, Basements, Domestic Service Areas
Traffic Exposure	Light Duty
Primary Requirements	Dust-Free, Durable, Aesthetic
Optional Layers	Ressi SLS Primer – 1, Ressi SLS 610
Primer	Ressi EPO Primer LV
Topcoat	Ressi EPO Tough Might
Total System Thickness	Minimum 1000 Microns
Finish Type	Smooth, Semi-Gloss
Curing Time Before Use	7 Days Full Cure
Key Benefits	Durable, Easy to Maintain, Seamless Finish

System Diagram

- A. Cementitious Surface (Concrete slab or screed)
- B. Cracks and Damages (As per site condition)
- C. Crack Filler and Repairing material (As per Site Condition)
- D. Ressi SLS Primer - 1 (Optional)
- E. Ressi SLS 610 (Optional)
- F. Ressi EPO Primer LV
- G. Ressi EPO Tough Might
- H. Ressi EPO Tough Might (Marking)



Thank You

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