

SELF-LEVELING RESIN FLOORING

UDesign





Design – The Ultimate Self-Leveling Flooring System in Epoxy or Polyurethane Form

UDesign is an innovative poured flooring system available in both epoxy and polyurethane versions, catering to different aesthetic, durability, and functionality needs.

Its seamless, joint-free surface offers a modern aesthetic, exceptional durability, and easy maintenance, making it the ideal solution for any space.

Key Advantages of UDesign:

- **High Durability:** Resistant to abrasion, chemicals, moisture, and mechanical stress.
- **Flexibility & Resilience:** The polyurethane option is perfect for areas with vibrations and temperature fluctuations.
- **UV Resistance:** The polyurethane version remains unchanged over time without yellowing.
- **Anti-Slip Properties:** Available with anti-slip additives for maximum safety.
- **Hygienic & Easy Maintenance:** Non-absorbent surface that is easy to clean.
- **Aesthetic Versatility:** Available in a wide range of colors, effects, and finishes.



UDesign Applications

Catering to different aesthetic, durability, and functionality needs, the seamless, joint-free surface of UDesign offers a modern aesthetic, exceptional durability, and easy maintenance, making it the ideal solution for any space.



Professional & Commercial Spaces

- Offices & Co-Working Spaces
- Shopping Centers & Retail Stores
- Hotels & Resorts
- Restaurants & Cafés

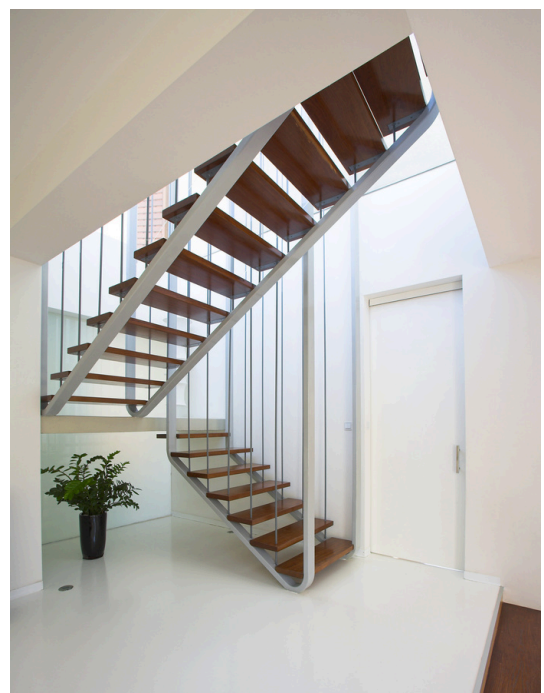
Houses and Residential Spaces

- Living Rooms & Common Areas
- Kitchens
- Bathrooms & Spa Rooms
- Bedrooms
- Outdoor Spaces (with UV-resistant coating)



Public & Educational Buildings

- Schools & Universities
- Libraries & Cultural Centers
- Courthouses & Public Services



UDesign Application Guidelines

UDesign is an advanced poured flooring system that can be based on either epoxy resins (for high mechanical and chemical resistance) or polyurethane resins (for greater flexibility, crack resistance, and UV stability).

1. Substrate Preparation

Surface Inspection:

- The substrate (concrete, tiles) must be clean, dry, and free of contaminants.
- The substrate moisture content must be < 4%.
- Cracks or joints must be repaired with epoxy filler.

Mechanical Preparation:

- Grinding, sandblasting, or milling to improve adhesion.
- Dust removal with an industrial vacuum cleaner.

2. Primer Application

Primer Selection Based on System Type:

- Epoxy primer for porous substrates.

Application:

- Mix the two components and apply with a roller or trowel.
- Waiting time: 12-24 hours before the next stage.

3. UDesign Application

UDesign Type Selection:

- Determining the number of layers and final floor thickness.

Application Method:

- Mixing: Use a low-speed mixer for 3-4 minutes until a homogeneous mixture is achieved.
- Pouring the material onto the floor and spreading it with a notched trowel (thickness 6-14mm).
- Using a special spike roller to remove air bubbles.
- Curing time: 24-48 hours.

Decorative Options:

- Colored flakes, Metallic effects (3D aesthetic), or Anti-slip coating.

4. Final Protective Coating

Topcoat Options:

1. Epoxy topcoat (high chemical resistance, glossy or matte).
2. Polyurethane topcoat (elasticity, UV resistance, scratch resistance).

Application:

- Mixing and applying with a roller or trowel.
- Waiting time: 12-24 hours before use.

5. Curing Time & Usage

- After 24 hours: Pedestrian use.
- After 7 days: Full resistance to loads & chemicals.