

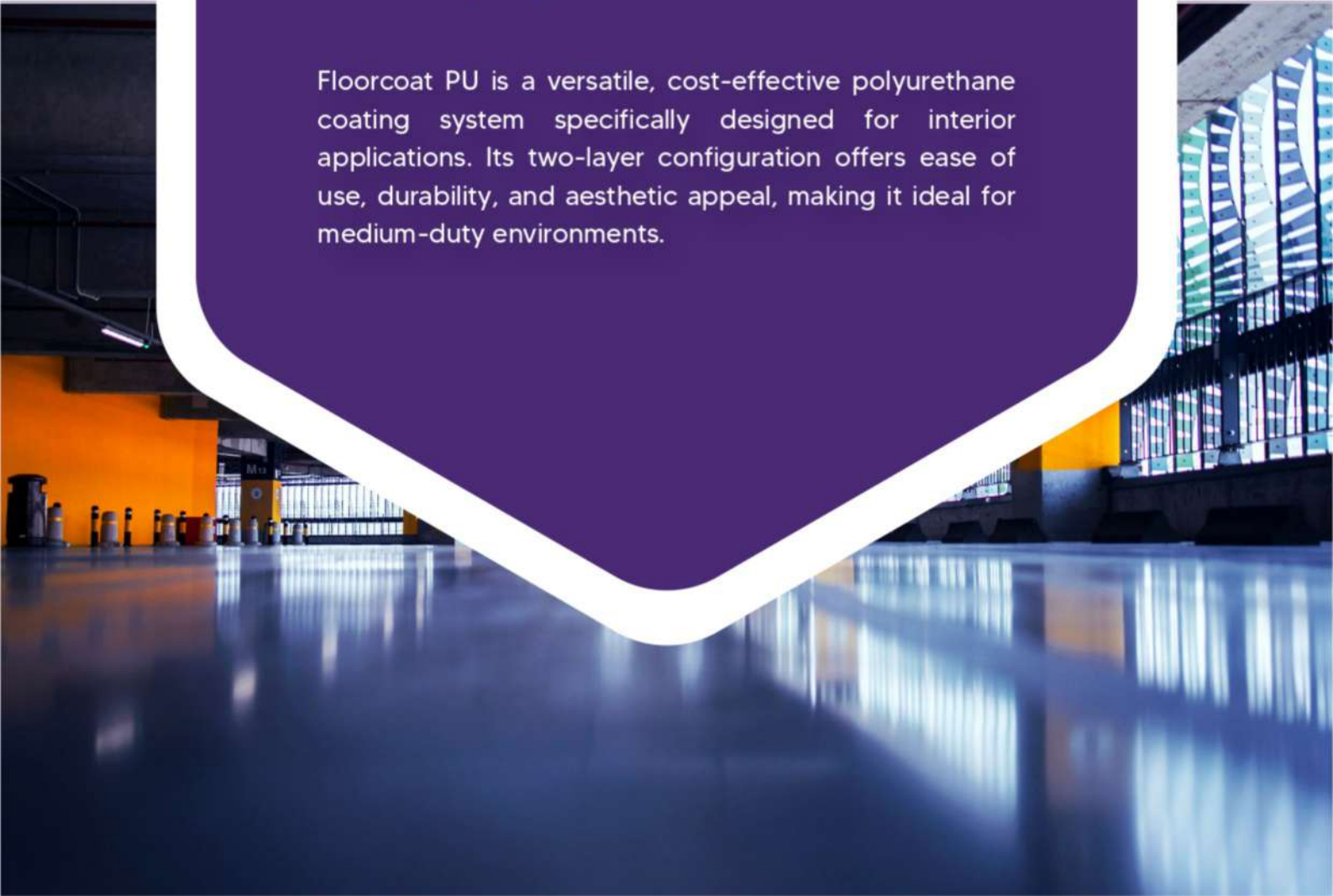


AQUAFORT PLUS FLOORCOAT PU SYSTEM

FLOORCOAT PU

Economical Two-Component PU Coating System

Floorcoat PU is a versatile, cost-effective polyurethane coating system specifically designed for interior applications. Its two-layer configuration offers ease of use, durability, and aesthetic appeal, making it ideal for medium-duty environments.



System Composition

Primer



1. **Type:** Floorcoat PU Primer (Epoxy-based).
2. **Coverage:** 300 to 500 grams per square meter.
3. **Function:** Enhances adhesion to the substrate and prepares the surface for the topcoat.
4. **Features:** High penetration, low viscosity, and strong bonding.

Topcoat



1. **Type:** Floorcoat PU Topcoat (Two-component PU coating with PU resin and hardener).
2. **Coverage:** 0.8 to 1 kilogram per square meter.
3. **Function:** Provides a durable, colored protective finish with excellent resistance to wear and tear.
4. **Features:**
 - Two-component formulation ensures enhanced durability and performance.
 - Available in multiple colors.
 - Can also be used for line markings.

Key Features



- **Interior Use Only:** Designed exclusively for indoor applications, offering exceptional durability in medium-traffic areas.
Floorcoat PU: Economical Single-Component PU Coating System
- **PU Coating System:** Not a self-leveling system, but a straightforward, easy-to-apply PU coating system.
- **Cost-Effective:** A highly economical option for budget-conscious flooring projects.
- **Enhanced Performance with Fillers:** Mechanical properties can be significantly improved by incorporating silica fillers.

Applications

Floorcoat PU is ideal for a wide range of interior environments, Including:

- **Car Decks:** Ramps, parking areas, and garages.
- **Warehouse Flooring:** Provides abrasion resistance for medium-traffic zones.
- **Medium Traffic Areas:** Suitable for commercial spaces, retail zones, and public walkways.
- **Pedestrian Walkways:** Durable and slip-resistant surfaces.
- **Line Markings:** The topcoat can also be used to create high-visibility lines for pathways, parking spaces, or zones.



TECHNICAL CHARACTERISTICS AT 30°C, 60% RH



Property	Method	Result
Recommended Dry Film Thickness		>300 μ
Theoretical Consumption		0.7 - 1.0 kg/m ²
Volume Solid, %	ASTM D 2697	88 $\pm$ 2
Touch Dry, hours	IS 101	1 - 2



Floorcoat PU: Economical Two-Component PU Coating System

Overcoating Time, hours	IS 101	7 - 12
Tensile Strength after 7 days	ASTM D 638	>10 MPa
Shore D Hardness after 7 days	ASTM D 2240	50 $\pm$ 5
Density of Mix, kg/L	ASTM D 1457	1.42 $\pm$ 0.05
Adhesion Pull-Off, MPa (Concrete)	ASTM D 4541	2 - 3 (Concrete Failure)
Abrasion Resistance (1000 cycles)	ASTM D 4060	110 $\pm$ 10 mg loss