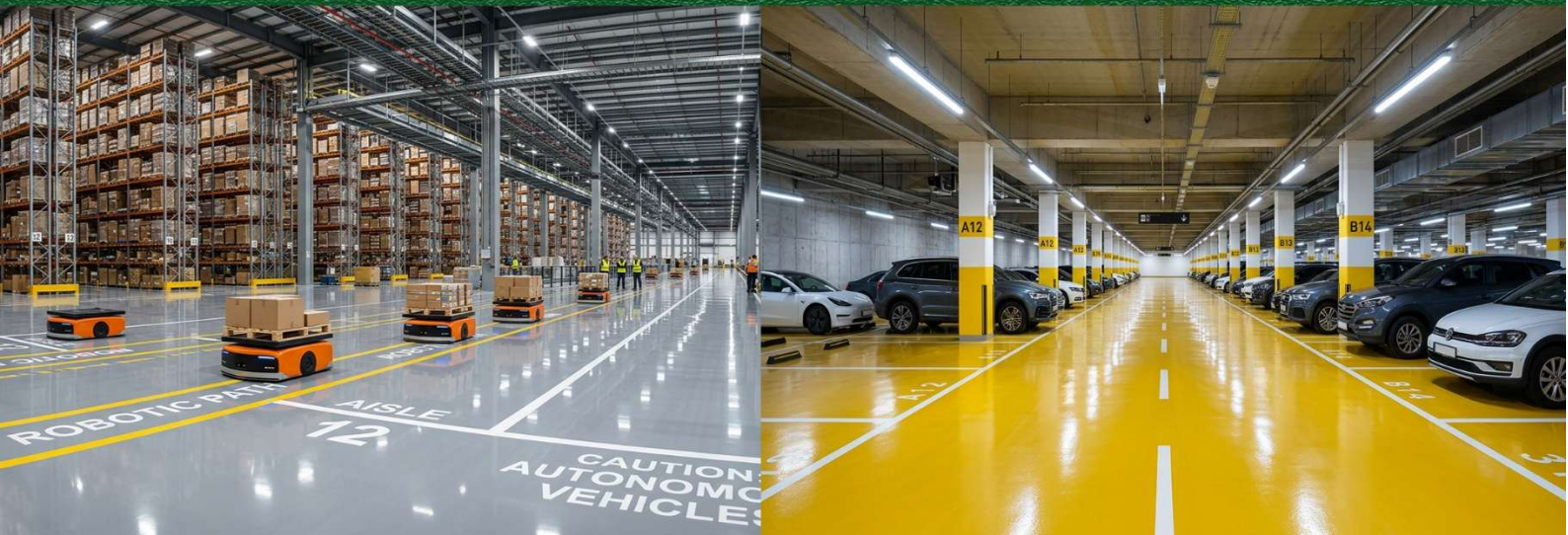




Epoxy Resin Floor Coating

STRAIGHT FLOOR 1228



Product Description

STRAIGHT FLOOR 1228 is a high-performance, solvent-free, two-component epoxy resin self-leveling top coating. Formulated with premium epoxy resins and modified amine curing agents, it is engineered to provide a durable, high-gloss, and seamless finish for demanding industrial and commercial environments where cleanliness and aesthetics are paramount.

High-Performance Industrial

This advanced epoxy flooring solution is specifically engineered to meet the diverse and rigorous demands of modern industrial and commercial environments.

Applications

This coating is the premier choice for the electronics and microelectronics industries, which demand high cleanliness, aesthetic appeal, and a dust-free, sterile environment. It is also ideal for parking lots and other sectors requiring superior resistance to wear, pressure, heavy impact, and chemical corrosion. Furthermore, it meets the strict standards of GMP-certified pharmaceutical manufacturing and is highly versatile for use in hospitals, schools, offices, homes, supermarkets, and standard industrial plants.

Advantages

- **Environmental Safety:** The formula contains no volatile organic solvents, making it odorless, pollution-free, and safe for the environment. It also features strong adhesion and exceptional durability against heavy pressure and daily wear.
- **Aesthetic Excellence:** The resulting paint film is smooth, beautiful, and high-gloss. Its seamless application can achieve a stunning mirror-like effect.
- **Superior Mechanical Properties:** With high hardness, the floor provides excellent resistance to abrasion, pressure, and impact.
- **Chemical & Corrosion Resistance:** It offers outstanding anti-corrosion performance, with high resistance to water, acids, alkalis, and various solvents.
- **Effortless Maintenance:** The non-porous surface is exceptionally easy to clean and maintain over the long term.

Technical Data

Test Item	Standard Requirement	Test Result
Initial Fluidity	≥ 140 mm	155 mm
Drying Time (Touch Dry)	≤ 8 h	5 h
Shore D Hardness (7 days)	> 80	82
Wear Resistance (CS17, 1000g/1000r)	≤ 0.030 g	0.025 g
Tensile Bond Strength	≥ 2.0 MPa	3.6 MPa
Anti-slip (Dry)	≥ 0.50	0.53

Substrate Requirements & Preparation

- **Roller coating system:** Total estimated consumption for two coats is 0.30 - 0.50/kg/square meter.
- **Self-Smoothing System (1.0 - 1.5mm):** Estimated consumption of 0.8 - 1.2 kg/m².

Substrate Requirements & Preparation

- Substrate Strength: Concrete must be at least 28 days old, with a minimum compressive strength of 25 N/mm^2 and a pull-off strength of $\geq 1.5 \text{ N/mm}^2$.
- Moisture Content: Substrate moisture must be $\leq 8\%$ pbw.
- Surface Preparation: The surface must be clean, dry, and free of contaminants (oil, grease, laitance). Mechanical preparation such as shot-blasting or diamond grinding is required to achieve an open-textured surface (Recommended CSP-3 to CSP-4 profile).

Application Instructions

- Mixing Ratio: Component A : Component B = 5 : 1 (by weight).
- Mixing Procedure: Pre-mix Component A. Add Component B and mix continuously for 2-3 minutes using a low-speed electric stirrer (300-400 rpm) until a uniform consistency is achieved. Do not mix by hand.
- Pot Life: Approximately 25 minutes at 20°C . Note that higher temperatures will significantly shorten the working time.
- Application Conditions: Ambient and substrate temperature should be between $+10^\circ\text{C}$ and $+35^\circ\text{C}$. Relative humidity must be $< 80\%$.

Curing Schedule

Temperature	Walkable (Light Traffic)	Fully Cured
10°C	36 hours	10 days
20°C	24 hours	7 days
30°C	12 hours	5 days

Storage and Packaging:

Packaging: 24 kg per set.

Shelf life: 24 months from the date of manufacture (if stored properly).

Storage conditions: Store in a dry, unopened, undamaged, sealed package at a temperature between $+5^\circ\text{C}$ and $+30^\circ\text{C}$.

Contact Information

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