CCI Floor Sealer

Penetrating Sealing Hardening Material

Product Introduction:

Introducing CCI Floor Sealer: a cutting-edge solution that deeply fortifies surfaces against moisture, chemicals, and wear. Say goodbye to cracks and erosion while enhancing aesthetics with its transformative properties. Ideal for industrial floors, outdoor structures, and historical landmarks, it ensures long-lasting protection and beauty, setting a new standard in surface preservation.

Composition:

- It is composed of inorganic substances and chemically active substances. Composed of lithium and silicon compounds. It is a new generation of lithium-ion water-based products.

Performance Features:

- **Hardness:** The Mohs Hardness of the ground treated with this product will reach 8-9, and the Mohs Hardness will increase by about 45%.
- **Wear-Resistant:** It can solidify various components into a hard entity, increasing hardness and density. After the ground is matured, the wear resistance will increase to more than 8 times.
- **Dust-proof:** It has a chemical reaction with the silicate in the concrete. It should form a dust-free concrete surface, permanently controlling the precipitation of concrete dust from the surface voids.
- **Anti-slip:** On concrete ordinary floors, salt and alkali components will precipitate from the surface, causing slippage. However, it is different using the product. It forms a solid concrete surface, and the salt-alkali components will not precipitate from the surface.
- **Compression Resistance:** The compressive strength of the treated sample is 25% higher than that of the untreated sample, and the flexural strength is also improved.
- **Impermeable:** It can effectively penetrate into the concrete and react chemically with it to lock the hair inside hole, which has a permanent sealing effect on the concrete surface and can effectively prevent water, oil, and other surface contaminants from entering the concrete.
- **Resistant to weathering:** Ultraviolet rays and water spray have no adverse effects on the treated sample, and can effectively prevent chloride ions from passing through the test table. The ground that has been exposed to light will not be affected by exposure to electromagnetic or water mist.
- **Corrosion Resistance:** The ground treated will greatly improve the corrosion resistance
- **Brightness:** The concrete floor treated will have a marble-like luster. The longer it is used, the better the gloss.

Scope:

- Strength design requirements or concrete floors C20 above, 32.5 water mud. An area that requires a clean environment and has certain requirements for the dust content in the air, but is not suitable for surface coating materials. Suitable for any indoor or outdoor flat new or old concrete, terrazzo, cement-based materials that require hardness, high wear resistance, and high impermeability requirements. Wear-resistant floors and cement mortar surfaces and other cement-based building material surfaces, such as factories, shopping malls, warehouses, parking lots, depots, service stations, hangars, freight distribution centers, highways, and other areas.

Method:

1. **Polish the floor**
   - Use a professional floor scrubber to polish the floor to reveal a clean and fresh surface of concrete.
2. **Clean the base surface**
   - Use a professional sander with a 100-grit epoxy resin disc for complete polishing, and clean the base surface to fully expose the cement pores.
3. **Spray penetrating sealing hardening material**
   - Spray evenly on the polished and cleaned dry floor (0.3-0.4 kg per square meter) for about 2-4 hours. Finally, or when the surface becomes sticky, clean the entire base surface with clean water, remove all the exposed water, and let it dry naturally for more than 12 hours.
4. **Clean the base surface**
   - Complete procedure (3). After 2-4 hours of construction, wet and clean the floor.
5. **Preliminary Polishing**
   - Use a professional grinder with a 300-grit epoxy resin disc to fully polish 2-3 times. After polishing or directly grinding with water), perform preliminary polishing of the entire base surface.
6. **Fully polished**
   - Use a professional grinder with a 500-mesh to 1000-mesh epoxy resin disc to fully polish 2-3 times (you can wet it with clean water and then polish it or grind it directly with water), and fully polish the entire base surface (until the ground feels smooth) and with a small amount of gloss. Note: The first construction process of colored emery floor is changed to “Use a professional grinder to prepare 500-grit epoxy abrasive disc” to prevent scratches on the floor.

Technical Parameters:

Test Item		Technical Indicators
Film Color and Appearance		Transparent, Smooth Coating
Luster		Bright Light
Fineness		≤40
Viscosity		90-120
Hardening Time	Case Hardening	1-3
	Highest Hardening	90-120
pH Value		≥11
24hrs Surface Water Absorption		/mm:≤5
24hrs Surface Water Absorption		≥80
Volume Reduction Rate, %		
Wear Resistance Ratio		≥140
Solid Content		≥65 (average)
Flash Point		48˚C
Theoretical Coating Amount		0.3-0.4 g/m^2

Use and maintenance of penetrating sealing hardened materials:

- It is recommended that the newly constructed floor be cleaned frequently with acidic cleaning agent or water in the first 1-3 months because it is often slept on. Cleaning will accelerate the reaction process, so

that the densification and curing agent effects of the ground are completed in advance, and the gloss will appear in advance.

- Try to avoid alkaline cleaning agents and other substances staying on the floor surface.
- If there are oil stains, colored liquids, etc., they should be wiped off in time, otherwise they may leave marks on the surface.

Storage:

This product should be stored in a cool and dry warehouse, isolated from fire sources, away from heat sources, and open flames are prohibited. The effective storage period is one year.