

# CORK BINDER (CB)

## One-component elastic urethane binder



This paint is a urethane binder based on moisture-curing polyurethane resin corresponding to KS F 8980 (Water-permeable cork floor pavers). It is a flooring material that is applied with a special coating machine by mixing cork chips. Its excellent shock absorbing ability and elasticity reduce fatigue and exhaustion of the physical strength of pedestrians. It has an anti-slip effect by selecting specific chip material and appropriate size, and it is possible to produce various colors and designs. Cork floor pavement is a paint applied to school sports facilities, children's play facilities, and park trails, providing excellent adhesion and walking comfort.

### Usage

Park trails, school sports facilities, multi-purpose stadiums, children's play facilities, various outdoor facilities, etc.

### Specification

Paint type	Polyurethane resin (One-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	5 hours	2 hours	1 hour
	Dry-through	36 hours	12 hours	6 hours
	Over-coat (Min.)	36 hours	24 hours	12 hours
	Over-coat (Max.)	72 hours	48 hours	36 hours
	Pot life	60 minutes	40 minutes	30 minutes
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.				
Thinner	-	Dilution ratio	▷ No dilution	
Specific gravity	1.07			
Theoretical Coverage	18~24 kg (Cork chip) : 18 kg (Binder)	Solid volume ratio	98±2 %	
Color	Clear	Gloss	Semi-gloss	
Shelf life	6 months	Packaging unit	18 kg	

### Product Properties (Physical Property Data)

Tensile strength	More than 0.5 N/mm <sup>2</sup>	Elongation rate	More than 10 %
Slip resistance	More than 40 (BPN)		

### How to Use

Surface treatment	1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%. 2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.
Coating Conditions	1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less 2. Moisture content in the concrete: 6% or less
Coating Method	1. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc. 2. Use an exclusive stirrer (60rpm or more) and evenly mix elastomer binders and chips for more than 3 minutes. 3. After laying, spread it to a certain thickness and arrange the surface with a heating roller (160°C in the summer; 200°C or below in the winter). Appropriate construction specifications ▷ Primer : CORK BINDER (CB) ▷ Intermediate coating : CORK BINDER (CB) + CORK