

# 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  | <ol style="list-style-type: none"><li>1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%.</li><li>2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.</li></ol>  |
| Coating Conditions | <ol style="list-style-type: none"><li>1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less</li><li>2. Moisture content in the concrete: 6% or less</li></ol>   |
| Coating Method     | <ol style="list-style-type: none"><li>1. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc.</li><li>2. Use an exclusive stirrer (60rpm or more) and evenly mix elastomer binders and chips for more than 3 minutes.</li><li>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).</li></ol> <p>Appropriate construction specifications</p> <p>▷ Primer : CORK BINDER (CB)</p> <p>▷ Intermediate coating : CORK BINDER (CB) + CORK</p> |