

# DENSIL CDA-300(Li)

## Inorganic concrete densifier



DENSIL CDA-300(Li) is a 1K water-based concrete densifier composed of inorganic modified silicate(lithium type). The surface of concrete finished with CDA-300(Li) not only has excellent abrasion resistance due to the increased surface strength, but also has greatly improved durability by the physical and chemical reactions with concrete. In addition, it is an economical product that can obtain a flame retardant effect simultaneously as it is an inorganic substance, as well as a dustproof effect.

Usage

Concrete densifier for new and old concrete floors

### Specification

Paint type	Inorganic modified silicate (Lithium type, One component)		
Thinner	Not applicable	Dilution ratio	No dilution
Specific gravity	1.078±0.02		
Theoretical Coverage	6 m <sup>2</sup> /ℓ (Depending on concrete state)	Solid volume ratio	10±2 %
Viscosity	11±2 sec(FC #4)	Flash point	Not Applicable
Mixing ratio	One component	pH	11.5±0.5
Shelf life	6 months (5~35°C indoor storage)	Packaging unit	20L

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove the oil, moisture, sand, dust, laitance and other foreign matters from the surface and keep the surface smooth.</li><li>2. It is effective to remove foreign substances and other contaminants by washing with high-pressure water before application.</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	<p><b>New concrete</b></p> <ol style="list-style-type: none"><li>1. Completely remove dust or foreign substances from the new concrete-cured surface, wash it with water and dry.</li><li>2. After plastering concrete, once it is cured enough to allow workers and work equipment to enter, apply CDA-300(Li) more than two times at a ratio of the theoretical coverage.</li><li>3. For concrete densifying, uniformly apply using low-pressure spray equipment, sweep with a soft broom, and keep the product wet at least 30 minutes on the concrete surface to penetrate into the inner layer of concrete. Note that the edges may dry quickly.</li><li>4. Although there may be some differences depending on the working environment, DENSIL CDA-300(Li) product remaining on the concrete surface for more than 30 to 60 minutes should be wet with water for continuous penetration. The residue remaining after this operation should be absorbed and removed.</li><li>5. The finally finished concrete surface should look uniform as an untreated concrete surface.</li><li>6. Even for slopes or vertical surfaces, it should be applied often to keep DENSIL CDA-300(Li) product wet for at least 30 minutes on the concrete surface. At this time, be careful not to apply an excessive amount and cause sagging.</li></ol> <p><b>Existing concrete</b></p> <ol style="list-style-type: none"><li>1. Consult a professional contractor because stripping or cleaning neutralization is necessary depending on the condition of the concrete.</li><li>2. The application method after pre-treatment is the same as the new concrete.</li></ol>