

DENSIL CDA-300(S)

Inorganic concrete hardener



DENSIL CDA-300 (S) is a one-component water-based clear material made mainly of modified silicate, a natural mineral, which is a concrete floor surface finishing agent for buildings. The surface of concrete finished with this product not only has excellent abrasion resistance due to the increased surface strength, but also has greatly improved durability by the physical and chemical binding reactions with concrete materials. 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

Surface finishing material for new and old concrete floors

Specification

Paint type	Inorganic modified silicate (One-Component)		
Thinner	Not applicable	Dilution ratio	No dilution
Specific gravity	1.16±0.02		
Theoretical Coverage	6 m ² /ℓ (Depending on concrete state)	Solid volume ratio	25±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	16 L

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.2. It is effective to remove foreign matter and other contaminants by washing with high-pressure water before application.
Coating Conditions	<ol style="list-style-type: none">1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less2. Moisture content in the concrete: 6% or less
Coating Method	<p>New concrete</p> <ol style="list-style-type: none">1. Completely remove dust or foreign matter from the new concrete-treated surface, wash it with water and dry.2. After plastering concrete, once it is cured enough to allow workers and work equipment to enter, treat the surface at a ratio of the theoretical application amount by dividing the Densil CDA-300(S) product by more than two times.3. For surface treatment, uniformly apply using low-pressure spray equipment, sweep with a soft broom, and keep the product wet at least 30 minutes on the treatment surface to allow penetration into the inner layer of concrete. Note that the edges may dry quickly.4. Although there may be some differences depending on the working environment, the DENSIL CDA-300(S) product remaining on the treatment 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.5. The finally finished concrete surface should look uniform in an untreated concrete state.6. Even for slopes or vertical surfaces, it should be applied often to keep the DENSIL CDA-300(S) product wet for at least 30 minutes on the treatment surface. At this time, be careful not to apply an excessive amount and cause sagging. <p>Conventional concrete</p> <ol style="list-style-type: none">1. Consult a professional construction company because stripping or cleaning neutralization is necessary depending on the condition of the concrete.2. The construction method after pre-treatment is the same as new concrete.