

# DENSIL ORGANIC/INORGANIC HYBRID



## Flame-retardant clear top coat

This paint is a two-component transparent coat composed mainly of polymer organic resin and inorganic silicate resin. It is excellent in hardness of dry film, adhesion, durability, abrasion resistance, scratch resistance and dust proofness. In particular, it is superior to the existing epoxy type in terms of yellowing resistance and is also excellent in smoothness, thus a beautiful appearance can be formed.

Usage

Dust proof flooring material for concrete floors  
(Clear coating giving an interior effect)

### Specification

Paint type	Epoxy silicate / Modified amine (Two-Component)		
Drying time	Category	5°C	20°C
	Set-to-touch	4 hours	2 hours
	Dry-through	30 hours	12 hours
	Pot life	3 hours	1 hour
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site. The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.			
Thinner	Not applicable	Dilution ratio	▷ No dilution
Specific gravity	Approx. 1.04 (Transparent)		
Theoretical Coverage	0.1 kg/m <sup>2</sup> (10 m <sup>2</sup> /ℓ)	Solid volume ratio	52±3 %
Color	Transparent (Compounds)	Thickness of dried film	50 μm
Mixing ratio	Base(A)/hardener(B)=3.5/1 (Weight ratio)	Gloss	Glossy
Shelf life	12 months	Packaging unit	16L (Compounds)

### 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. Please note that due to the nature of epoxy paint, discoloration and chalking may occur if exposed to the outdoor environment. 3. Upon re-coating following DENSIL ORGANIC/INORGANIC HYBRID_Flame-retardant clear top coat, re-coating is possible after sanding and surface treatment.
Coating Method	1. Reinforce cracks, crevices, and joints between walls and floors with an epoxy putty after primer. 2. Apply smoothly to the base surface using a roller, etc. after evenly mixing the base and hardener. 3. Add the hardener to the base and use after evenly mixing for 3-5 minutes with a power stirrer.  Appropriate construction specifications ▷ Primer : CLEANPOXY CLEAR PRIMER, CLEANPOXY PENETRATED PRIMER DNY-200 ▷ Intermediate coating : Epoxy colored paint(if necessary) ▷ Top coat : DENSIL ORGANIC/INORGANIC HYBRID_Flame-retardant clear top coat