

# DNH-300F(A)



## Heat-resistant 300°C top coat (silicone alkyd)

This paint is made by mixing silicone acrylic resin and excellent heat-resistant pigments. It is a heat-resistant top coat designed to withstand temperatures of up to 300°C. It has good adhesion and excellent bending resistance and weather resistance. It is widely used for top coat and repair coating on concrete or parts coated with a zinc-based heat-resistant paint.

Usage

Top coat for concrete and zinc heat-resistant undercoat (heavy duty coating)

### Specification

Paint type	Silicone acrylic			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	30 minutes	15 minutes	10 minutes
	Dry-hard	6 hours	3 hours	2 hours
	Over-coat (Min.)	10 hours	5 hours	4 hours
Thinner	DR-630	Dilution ratio	▷ Brush, roller coating: less than 5%	
Specific gravity	Approx.1.0		▷ Air spray coating: less than 5%	
Theoretical Coverage	12.8 m <sup>2</sup> /ℓ (1 time - 25μm)	Solid volume ratio	Approx.32±1%	
Color	Silver, other colors(limited)	Thickness of dried film	25μm	
Gloss	Matte	Flash point	Approx. 27°C	
		Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.</li><li>2. Sufficiently dry the surface to be coated.</li><li>3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Coating can be done by either brush, roller, air or airless spray coating.</li></ol> <p>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</p>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Preceding coating : Inorganic zinc system primer (DHDC-1800)</li></ol>
Remarks	<ol style="list-style-type: none"><li>1. If the dry film thickness is too thick, the coating may be peeled. So, please be careful of coating management.</li><li>2. Do not use the silicone alkyd type as a heat-resistant top coat. The silicone alkyd type results in wrinkles or peeling of the coating.</li><li>3. Due to the nature of the paint, it cannot be completely dried at room temperature, and a fully cured coating can be formed only under a temperature of 200°C for at least one hour.</li></ol>