

DNH-300P(E)

Heat-resistant 300°C primer (silicone alkyd)



This paint is made by mixing silicone alkyd resin and pigments with excellent heat resistance and anti-corrosive properties. It is a heat-resistant primer designed to withstand metal surface temperatures of up to 300°C. It has good adhesion and excellent bending resistance and impact resistance. It is widely used for new and repair painting in boilers and other structures that require heat resistance.

Usage

Boiler, engine, stovepipe, radiator (heavy duty coating)

Specification

Paint type	Silicone alkyd			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-hard	12 hours	8 hours	6 hours
	Over-coat (Min.)	24 hours	18 hours	16 hours
Thinner	DR-306	Dilution ratio	▷ Brush, roller coating: less than 5%	
Specific gravity	Approx.1.25(Red brown)		▷ Airless, spray coating: less than 5%	
Theoretical Coverage	13.4 m ² /ℓ (1 time - 35μm)	Solid volume ratio	Approx.47±1%	
Color	Reddish brown	Thickness of dried film	35μm	
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">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Sufficiently dry the surface to be coated.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.
Coating Method	<ol style="list-style-type: none">1. Coating can be done by either brush, roller, air or airless spray coating.2. Airless spray coating:<ul style="list-style-type: none">- Tip diameter : 0.013"~0.017"- Injection pressure : More than 2500 P.S.I (176kg/cm²)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Follow-up coating : DNH-300F(E) HEAT-RESISTANT 300°C TOP COAT (Silicone alkyd)
Remarks	<ol style="list-style-type: none">1. If the dry film thickness is too thick, the coating may be peeled. So, please be careful of coating management.2. Do not use the silicone acrylic type as a heat-resistant top coat. The silicone acrylic type results in wrinkles or peeling of the coating.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.