

WASH COAT DNU-800

Pretreatment primer for metal



This paint is a two-component wash primer made of polyvinyl butyral resin, zinc chromate anti-corrosive pigment and phosphoric acid catalyst. As it has excellent anti-corrosive properties and adhesion, it is an excellent etching primer for metals (iron, light metal, alloy), and KSM-6030 (4 kinds, 1 type) is widely used.

Usage Light metals, steel, and galvanized steel sheets

Specification

Paint type	Polyvinyl butyral resin / Wash primer (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	5 minutes	3 minutes	2 minutes
	Dry-hard	20 minutes	10 minutes	5 minutes
	Over-coat (Min.)	4 hours	2 hours	1 hour
	Over-coat (Max.)	24 hours	24 hours	24 hours
	Maturation time	10 minutes	5 minutes	3 minutes
	Pot life	16 hours	12 hours	8 hours
Thinner	DR-510	Dilution ratio	▷ Brush, roller coating: less than 10%	
Specific gravity	Approx. 0.9		▷ Spray coating: less than 15%	
Theoretical Coverage	0.09kg/m ² (10m ² /ℓ)-10μm	Solid volume ratio	▷ Airless, spray coating: less than 5%	
Color	Dark green	Thickness of dried film	Approx. 10±1%	
Mixing ratio	Base(A)/Hardener(B)=4/1 (Weight ratio)	Flash point	7°C	
Gloss	Matte	Shelf life	12 months (well-ventilated dry, cold and dark location)	

Product Properties (Physical Property Data)

Category	Category		Type 4	
			Grade 1	
	Main agent	Nonvolatile component(%)	17~21	More than 20
		Pigment (%)	8~12	More than 9
		Zinc oxide in the pigment(%)	More than 55	-
		Zinc chromate in the pigment(%)	More than 14	-
	Additives	Phosphoric acid	14~18	More than 6

How to Use

Surface treatment (solvent cleaning)	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. For steel, apply immediately after surface treatment.3. Light metals should be coated after solvent cleaning. If washed after polished with abrasive paper, adhesion will be better.
Coating Method	<ol style="list-style-type: none">1. Coating can be done by either brush, roller, or airless spray coating.2. Airless spray coating:<ul style="list-style-type: none">- Tip diameter : 0.013"~0.017"- Injection pressure : 1500~2000 PSI(105~140kg/cm²)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.3. Clean the surface of the welded part with a disc sander after primer coating and then proceed with coating after touch-up to approx. 5~10μm.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Follow-up coating: oil-based paint, alkyd resin, phenol resin, vinyl resin, chlorinated rubber resin, epoxy resin
Remarks	<ol style="list-style-type: none">1. Product with similar specifications: KSM-6030 (Type 4, Grade 1), JIS-K-5633(Type 1), DOD-P-15328D2. Precautions<ul style="list-style-type: none">- Mix by slowly adding the hardener part (acid part) to the paint part, using an accurate mixing ratio.- Since this paint cannot completely hide the material, top coating can be applied in the case there are no problems in the coating even if covered area is uneven after coating.- As this paint is used as a pretreatment agent, it should be thinly coated. If coated thickly, adhesion is lowered.- Apply a top coat within 24 hours.- Store at room temperature (5~35°C) since it can change into gel if it is stored at low temperatures of 4°C or below for a long period of time. (If paint that has turned into gel is warmed up to room temperature by placing it in a warm room or warm water and is stirred well, it turns back to the original state.)