

Product Data Sheet

Chassis-1

Maker name : Dai Nippon Toryo Co., Ltd.

Type of paint	Alkyd type
Name	HYMEL CHASSIS BLACK M

Substrate	Steel
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Color	Black
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1. Characteristics

- Solvent conventional type (Air dry)
 - Good corrosion resistance
 - Good adhesion on steel
- Applicable parts are shown in Table 1.

4. Film performances

Items	Spec.	Result	Test method
Adhesion	M-3 or better	M-1	2mm cross cut
Hardness	B or harder	B	Pencil hardness
Bending test	10cm ϕ pass	Pass	Bending tester
Gloss	60 or more	82	60°-60° gloss
Water resistance	• No excessive defect of coating • Adhesion < M2.5	Pass M1.0	20°C × 24 hours
Oil resistance	No excessive defect of coating	Pass	20°C × 120 hour
Accelerating weather resistance	No excessive defect of coating	Gloss retention: 51.3%	S.W.O.M 300hours
Corrosion resistance	Peeling width shall be within 3mm at one side	Pass 2mm	SST × 72 hours (SPCC 20-30 μ m)

5. Property

	Items	Property
Time of delivery	Viscosity	60 ± 4 sec./NK#2/20°C
	NV	45 ± 5%
	Storage stability	Good
	Specific gravity	1.03 ± 0.05
	Specific gravity of paint films	1.30 ± 0.05
During application	Viscosity	25 ~ 30 sec./NK#2/20°C
	NV	38 ± 5%
	Dilution stability	Good

2. Composition

Materials		Rate of Composition
Resin varnish	Modified Alkyd	51.8
	Pigment	16.9
Additives	Surface Adjustment agent	2.3
Solvent	Aromatic type	29.0
	Alcohol type	

3. Paint specification

Thinner	Enamel Thinner #300A
Diluted amount	20 ~ 25%
Planned coating vis.	23 ~ 25 sec/NK#2/20°C
Diluted state	Viscosity measurement
Application equipment	Airless, air spray

7. Controlled substance

Fire service Act	Type 4 class2 (Flash point 28°C)
Poisonous and Deleterious substances	N/A
Hazardous substances	Xylene, Butyl alcohol
ELV regulation	N/A

N/A: Not available

Table1. Applicable parts

• Frame (Arm)

6. Dry to touch property

