

2K acrylic primer for aliphatic / aromatic nylon substrates

SUPER PRIMER

(8954- line)

Introduction

This SUPER PRIMER adheres well with a variety of fiber-reinforced plastics, also both aliphatic and aromatic nylon, including Nylon 6, Nylon 66, and Nylon MXD6. These nylon substrates have distinctive features in common such as its high hardness, fire resistance, crystallinity yet solvent resistant.

SUPER PRIMER is a primer which able to apply on wide range of nylon substrates.

Features

1. Conceals well
2. Good abrasion resistance and re-coatable
3. Good inter-layer adhesion with HAIUREX P series
4. Equivalent workability as 1K (10hr pot-life time)
5. Good weatherability
6. Possible to color using primer color

Product code

8954- SUPER PRIMER Various colors

Recommended thinner & hardener

(Thinner)

- Z-M133 SUPER PRIMER THINNER(quick-dry)
Z-M135 SUPER PRIMER THINNER(moderate)
Z-M137 SUPER PRIMER THINNER(slow-dry)

(Hardener)

Z-8954NY(standard)

Applicable substrates

Aromatic nylon material
(RENY by Mitsubishi engineering plastics company etc.)

Aliphatic nylon material
(Nylon 6, Nylon 66 etc.)
ABS, PC/ABS

Precautions

1. Clean the substrate surface before spraying. Poor adhesion and craters may be caused by contaminant, such as release agents on the substrate.
2. Use the recommended thinner for this paint. The film performance may decrease depending on the type of thinner.
3. Check adhesion, solvent resistance of the substrate, curability etc. before use, since a variety of resin grades have been developed.
4. Please stir evenly before usage. When spraying, please stir and pour the mixed paint into the stirring tank and stir while spraying.
5. Avoid direct sunlight and store it in a cool and dark place (-20°C to 40°C).
6. As this is 2k paint, please dilute minimal amount when use. Pot life time of this paint is 10 hours at 20 degrees. If exceeded more than pot life time, paint may not perform as expected.
7. Please refer to SDS etc. for further precautions.

Please contact below for any enquiry upon this product

Musashi Paint Co., Ltd. Iruma Factory

11-2, Sayamagahara, Irumashi, Saitama 358-0032

Sales Dept : Tel.+81-4-2908-7634 Fax.04-2935-0273

R&D Dept : Tel.+81-4-2934-4138 Fax.04-2935-2736

Osaka Office

1-17-13 Mizuhai, Higashi-Osakashi, Osaka 578-0921

Tel.+81-72-963-1133 Fax.+81-72-963-0606

Nagoya Office

Komaki Gas Building 3F, 1-267 Chuo, Komaki, Aichi 485-0029

Tel.+81-568-54-2113 Fax.+81-568-54-2117

2K acrylic primer for aliphatic / aromatic nylon substrates

SUPER PRIMER

(8954- line)

Standard spray specifications		
Terms		Specifications
Mixing ratio Paint:Hardener:Thinner (by weight)		10:1:8±1
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		10±2 sec
Spraying method	Orifice diameter	1.3±0.3mm φ
	Spray gun pressure	0.3±0.1MPa
Spray distance		25±5cm
Drying condition	Flash off	25°C × 5min
	Drying	80°C × 20min
DFT		12±1 μm

Film performance

Test item		Test conditions	Result
Adhesion		1mm Cross hatch adhesion Test (10 × 10)	100/100
Hardness		Mitsubishi pencil UNI 1kg of load	2H
Scratch resistance	Eraser	Sony eraser testing equipment, 1.64kgf, 100rounds	Pass
	Jeans	Rubbing tester, 500g/cm ² , 2000cycle, No exposure of substrate	Pass
Alcohol resistance		99.5%ethanol, 500g/cm ² , 100rounds	Pass
Heat resistance		1mm Cross hatch adhesion Test after 85°C × 96hr	100/100
Low temperature resistance		1mm Cross hatch adhesion Test after -40°C × 96hr	100/100
Humidity resistance		1mm Cross hatch adhesion test after 50°C × 98%RH × 120hr	100/100
Thermal cycle resistance		1mm Cross hatch adhesion test after 10cycles of -20°Cx3hr⇄60°Cx3hr	100/100
Migration resistance		Polyethylene foam, 80g/cm ² , 60°C, 48hr, No change in appearance	Pass
Spraying condition		Substrate: Aromatic nylon (using RENY NXG5945S by The Mitsubishi engineering plastics company) <u>Under coat</u> 89541SS SUPER PRIMER WHITE Paint:Hardener(Z-8954NY) : Thinner(Z-M135)=10:1:8(by weight) Flash off 25°C × 5min Drying 80°C × 20min DFT 12±2 μm <u>Middle coat</u> GP79- HAIUREX P GRANDE BONUL Silver Paint:Hardener(Z-H-250) : Thinner(Z-K245)=10:1:10(by weight) Flash off 25°C × 5min Drying 80°C × 30min DFT 9±1 μm <u>Top coat</u> UV7205KF ULTRA VIN HALF MAT CLEAR Paint: Thinner(Z-27095)=100:120(by weight) Preheating 60°C × 5min UV irradiation Lamp High pressure mercury(Hg) lamp Peak illumination 100mW/cm Light quantity 800mj/cm ² Dry film 10±1 μm (start testing after exposing in RT for 7 days)	
*The listed property value is for your reference only which based on our test result and does not indicate the spec value. Please purchase the product after considering thoroughly.			
*Please be aware that for improvement purposes, product spec details may change without prior notice.			

Jan. 2020 JRD-8954-V.E1.3