

High brightness one-component acrylic lacquer paint for plastic

PLA-ACE

(BS716-, BS716-E line)

Summary

One of the major commodities of Musashi Paint “PLA-ACE K716” has been supported by valued customers for many years as high brightness high efficiency acrylic lacquer paint.

In response to a demand for higher brightness, “PLA-ACE BS716” was developed to achieve higher brightness and high-quality color development compared to conventional products.

“PLA-ACE BS716” achieved higher design characteristics, maintaining equivalent coating performance compared with “PLA-ACE K716.”

Features

1. High brightness.
2. Material adhesion.
3. Good drying performance good workability.
4. Migration resistance, abrasion resistance.
5. Chemical resistance, alcohol resistance.

Paint number

BS716- PLA-ACE

BS716-E PLA-ACE (for TV, electric shock resistance)

Recommended thinner

ABS

Z-27623 PLA-ACE THINNER(quick-dry)

Z-27625 PLA-ACE THINNER (standard)

Z-27628 PLA-ACE THINNER (slow-dry)

PC, PC/ABS

Z-27634 PLA-ACE THINNER for enpla (quick-dry)

Z-27637 PLA-ACE THINNER for enpla (standard)

Z-27638 PLA-ACE THINNER for enpla (slow-dry)

PS

Z-27853 PLA-ACE THINNER for PS(quick-dry)

Z-27856 PLA-ACE THINNER for PS (standard)

Z-27857 PLA-ACE THINNER for PS (slow-dry)

Applicable material

ABS, PC, PC/ABS, PS

Notice of use

1. Clean the substrate surface before spraying. Poor adhesion and craters may be caused by foreign objects, such as release agents, attached on the substrate.
2. Use the exclusive thinner for this paint. The film performance may decrease depending on the type of thinner.
3. Verify adhesion, solvent resistance of the substrate, hardening etc. before use, since resin of varied grades have been developed.
4. Make sure to stir paint thoroughly before use. Pour the diluted paint into a stirred tank, and spray with stirring.
5. Store the paints in a cool (-20~40°C) and dark place, away from direct sunlight.
6. Regarding further precautions, refer to MSDS etc.

Please send any questions to address included below

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Standard spray specifications		
Terms		Specifications
Mixing ratio paint:thinner(by weight)		100:130±20
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		12±2sec
Spraying method	Gun diameter	1.3±0.3mm φ
	Pressure of spray	0.3±0.1MPa
Distance of spray and material		25±5cm
Baking condition	Flash off	25°C × 5min
	Baking	60°C × 30min
Standard film thickness		10±2 μm

■ Coating performance

Test item	Test conditions	Result
Adhesion	Peeling of 1mm cross-cut adhesion tape(10 × 10)	100/100
Hardness	Mitsubishi pencil UNI 1kg of load	F
Eraser abrasion resistance	Sony eraser testing equipment, 1.64kgf, 100rounds	Pass
Alcohol resistance	99.5%ethanol, 500g/cm ² , 100rounds	Pass
Oil resistance	Caster oil, Adhesion test after 50℃ × 95%RH × 24 hours	100/100
Heat resistance	Peeling of 1mm cross-cut adhesion tape after 70℃ × 120h	100/100
Humidity resistance	Peeling of 1mm cross-cut adhesion tape after 40℃ × 98%RH × 120h	100/100
Heat cycle resistance	Peeling of 1mm cross-cut adhesion tape -30℃ × 1h ⇔ 60℃ × 3h, 10cycle	100/100
Weatherability	SWOM, 300h, less than ΔE=1.0	Pass
Migration resistance	500g weight on 50mm × 2 power codes. 40℃ × 95%RH × 24hours. No change.	Pass
Chemical resistance	Coppertone Oil Free Sun block Lotion SPF30 0.2g Adhesion test after 40℃ × 24 hours.	100/100
Painting condition	Material PC BS716- PLA-ACE Metallic silver Paint: Thinner(Z-27637)=100:140(by weight) Flash off 25℃ × 5min Baking 60℃ × 30min(three days before examination start) Dry film 10±1 μm	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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