High brightness one-component acrylic lacquer paint for plastics

PLA-ACE

(K716-, K716-E line)

Summary

Recently, most company thinks that the quality of its product is most important. So the paint film of the product needs high performance. The customer wants the paint to be more environmental-oriented and more chemical resistance. To satisfy its needs, 'PLA-ACE K716-line' is developed with high efficiency of anti-shifting and chemical resistance much better than 'PLA-ACE A716-line'.

'PLA-ACE K716-line' is adheres to variety of plastic and more shiny than 'PLA-ACE A716-line'. 'K716-line' is used for electric appliances such as TV and air conditioner, and audio devices as next generation paint of 'A716-line'.

Features

1. Good material adhesion.
2. Good drying performance and good workability.
3. Staining resistance and scratch resistance.
4. Alcohol resistance and chemical resistance.

Paint number

K716- PLA-ACE each color

K716-E PLA-ACE each color(for TV electric shock resistance)

Recommended thinner

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)

PC, PC/ABS

Z-27623 PLA-ACE THINNER (quick-dry)
Z-27625 PLA-ACE THINNER (standard)
Z-27628 PLA-ACE THINNER (slow-dry)

PS

Z-27853 PLA-ACE THINNER (quick-dry)
Z-27856 PLA-ACE THINNER (standard)
Z-27857 PLA-ACE THINNER (slow-dry)

Applicable material

ABS, PC, PC/ABS, PMMA, 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 substrate, hardening etc., before use since a variety of resin grades have been developed.
4. Make sure to stir this paint thoroughly before use. Pour the diluted paint into a stirred tank, and spray while stirring.
5. Store the paints in a cool (-20～40℃) and dark place, away from direct sunlight.
6. Regarding further precautions, refer to MSDS etc.

lease 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℃)		12±2sec
Spraying method	Gun diameter	1.3±0.3mmφ
	Pressure of spray	0.3±0.1MPa
Distance of spray and material		25±5cm
Baking condition	Flash off	25℃×5min
	Baking	60℃×30min
Standard film thickness		10±2μm

■ 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℃×90%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 ⊿E=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 K716- 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±1μm	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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