



Environmentally Friendly 1K Paint for PP Substrate

『ECONET PP-100』

◇Feature

1) Environmentally friendly paint

Doesn't contain specific VOC materials which are regulated by Ministry of Health, Labor and Welfare and Japan Automobile Manufacturers Association.

2) Adhesion strength

Excellent adhesion strength on PP, ABS and PC.

3) Manufacturability

Equivalent manufacturability to conventional toluene and xylene-contained paints.

◇Standard Coating Specification

| Item | Coating Specification | |
|----------------------------|-----------------------------|-------|
| Mixing Ratio | Paint / Thinner : 100 / 100 | |
| Viscosity | 10 ~ 20 sec. | |
| | Ford cup # 4 | 20 °C |
| Standard Film Thickness | 20 μm | |
| Flush Off Condition | Approx 5 min. | |
| Standard Drying Conditions | 70 °C × 20 min. | |

◇Applicable Substrate / Standard Thinner

| Substrate | Standard Thinner |
|-----------|----------------------|
| PP | ECONET THINNER #9505 |
| ABS | |
| PC | |

◇Coating Film Performance

Substrate : PP

| Test Item | Result | Test Condition |
|------------------------------|-------------------------|--|
| Adhesion | 100/100 OK | 1mm cross-cut Peeling by cellophane adhesive tape |
| Humidity resistance | 100/100 OK | 50°C·98%RH x 48h Adhesion test |
| Water resistance | 100/100 OK | 40°C hot water × 24h immersion Adhesion test |
| Acid resistance | OK | 0.1NH ₂ SO ₄ Room temperature × 24h |
| Alkali resistance | OK | 0.1N-NaOH 50°C × 4h |
| Volatile oil resistance | OK | Heptane/Hexane=1/1 x RT × 3h Spotting |
| Impact resistance | OK | Du Pont impact tester 1/2 inch 500gf × 30cm |
| Abrasion resistance | More than 200 cycles | Gauze Stroke 100mm, 500gf |
| Engine oil resistance | OK | Engine oil 80°C x 1week Adherence and abrasion test |
| Accelerated light resistance | OK | FOM 400h |

◇Application / Adoption History

- Interior applications for automobile
- Medical equipments
- Home appliances

◇Notes

Please store at a dark place in low to room temperature. Although anti-settling treatment is applied, pigments are easy to be precipitated. Please agitate thoroughly before usage.

- Please dilute this paint with exclusive thinner, then thoroughly stir and use filtration.
- Coating specification may change depending on the material grade, type and spraying equipment.
- The film performance is evaluation results under our company's standard specification, and it is not a guarantee for all the results.
- Please contact our Sales Dept. as below if you have any inquiries or questions.

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