



THAI MITSUI SPECIALTY CHEMICALS CO.,LTD.

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ALMATEX C202&B341

ALMATEX C202 and ALMATEX B341 are high quality thermosetting acrylic resin. These resins are applied for motorcycle with 2 coat 1 bake system. These resins are high solid content.

1. FEATURES

- 1.High gloss & hardness
- 2.Good flexibility and chemical resistance
- 3.Good workability and Metal orientation
- 4.Good gasoline resistance
- 5.Good corrosion resistance

2. TYPICAL PROPERTIES

| ITEM | C202 | B341 |
|------------------------------|-----------------------------|-------------------------|
| Appearance | Clear | Clear |
| Non-volatile (%) | 70±2.0 | 65±1.5 |
| Viscosity (Gardner 25°C) | X ~ Z1 | X ~ Z |
| Acid.value (Varnish KOHmg/g) | 12 ~ 15 | 10 ~ 14 |
| Tg(°C) | 20 | 27 |
| Solvent system | Solvesso#100 / n-BuOH 75/25 | Xylene / iso-BuOH 80/20 |

3. COMPATIBILITY (5% as solid)

| | C202 | B341 |
|---------|------|------|
| 1/2 CAB | Good | Fair |
| NC | Fair | Good |

4. TEST CONDITIONS

(Application for metal coating)

Formulation for Base coat (Metallic)

| | |
|---------------------|-------|
| Almatex B341 | 123.0 |
| U-VAN 20SE60 | 33.3 |
| Aluminum Paste | 9.4 |

Reduce viscosity to 12~15 second (Ford Cup#4) by thinner
Thinner : Xylene/n-Butyl acetate/Propylene glycol monomethyl acetate /Solvesso#150 = 2/2/3/3

Formulation for Top coat

| | |
|---------------------|-------|
| Almatex C202 | 100.0 |
| U-VAN 20SE60 | 50.0 |

Reduce viscosity to 12~15 second (Ford Cup#4) by thinner
Thinner : Xylene/n-Butyl Cellosolve/Solvesso#150 = 1/3/6

Coating Condition

Substrate Bondelite (Zinc Phosphate) Steel
 Thickness Base coat 15-20 micrometer
 Top coat 25-30 micrometer

Baking condition

Base coat → Setting 10mins → Clear coat → Setting 10 mins
 → Baking 150°CX20min

5. TEST RESULTS

| | Result |
|----------------------|-----------|
| Gloss | 90-95 |
| Pencil Hardness | 2H |
| Erichsen | 6.0mm |
| Dupont Impact (500g) | 20cm |
| Gasoline Resistance | |
| Dipping 3hours | Excellent |
| Stain Resistance | |
| Marking ink | Excellent |

(31 August 2007)