



## Novel environmentally friendly acrylate polymer for surface-modifier

### NEWCOAT CP-0102

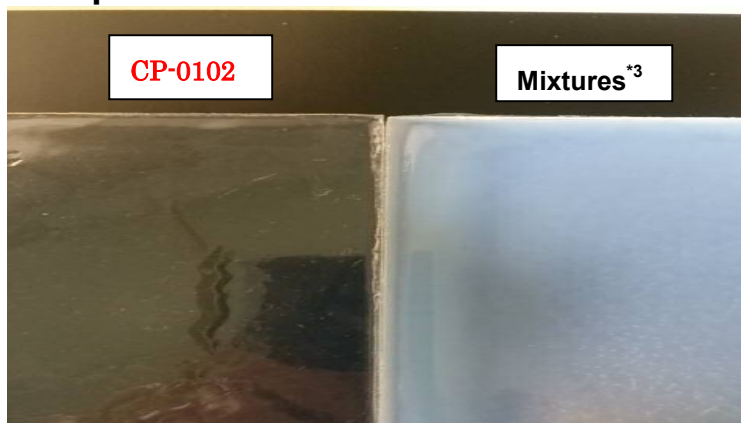
#### Specification

|                            |  |
|----------------------------|--|
| Appearance                 | Milky white emulsion   |
| Main component             | Polyester - Acrylic hybrid resin   |
| Nonvolatile (%)            | 30.0±2.0   |
| Viscosity (mPa · s/25°C)   | ≤100   |
| pH                         | 7±1  |
| Ionicity                   | Anion  |
| Mean particle size (nm)    | 55±10  |
| Tg (°C) ※Acrylic copolymer | 25   |
| MFT (°C)                   | 17   |
| OHV(mgKOH/g)               | 26   |
| Solvent                    | Water  |
| Characteristics            | Excellent adhesion property toward various materials such as untreated PET, PC, ABS, PMMA, hard PVC, Glass, Tin plate. |
| Applications               | ・ Printing ink binder<br>・ Surface-modifier for resin films<br>・ UV curing top coating on CP-0102 under-coating layer  |

#### Adhesion test<sup>\*1</sup>

| Materials       | Results |
|-----------------|---------|
| PET (Untreated) | 10/10   |
| PMMA            | 10/10   |
| PVC (Hard)      | 10/10   |
| Glass           | 10/10   |
| Tin plate       | 10/10   |

#### Comparison of Resin films<sup>\*2</sup>



<sup>\*2</sup> Film thickness : 0.6~0.8mm    <sup>\*3</sup> Mixtures of Acrylic and Polyester resins

<sup>\*1</sup> The cross-cut adhesion test in accordance with JIS K5400

This product is the prototype. The numerical value is a representative value.

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