

General Description

PRIMID cure resin, 93/7 type, for architectural purposes.
Can be used for low temperature cure condition

- Outdoor durable
- Low temperature cure
- Mechanical properties
- Flexibility

Extrusion & Application Conditions

Extruder: Lingyu SLJ-25
Zone I temp.: 95~110 ℃
Zone II temp.: 95~110 ℃
Screw speed: 400~500rpm
Panel: 0.5mm pre-treated cold-rolled steel
Spray gun: Lingyu SJ-5
Voltage: 60~90kV
Curing cycles: 10 min. @ 160 ℃

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.
- Big bags 750Kg

Storage

The product can be stably stored for at least one year when kept in closed containers in a dry place at temperature below 30 ℃. Avoid exposure to direct sunlight.

Product Specifications

| Property | Range | Test Method |
|------------|-----------------|-------------|
| Appearance | Pale granule | Visual |
| Viscosity | 3000~4000 mpa.s | ASTM D4287 |
| Acid value | 48~54 mg KOH/g | ASTM D1639 |
| Color | Max 5 | ASTM D1544 |
| Tg | appr.62 | DSC |

Starting Formulation

| Component | Weight |
|------------------|--------|
| P 8700 | 558.0 |
| LC-552 | 42.0 |
| Titanium dioxide | 300.0 |
| LC-88 Flow agent | 9.0 |
| Benzoin | 3.0 |

Film Properties

| Item | Result | Test Method |
|---------------------------------|------------|-------------|
| Film thickness, μm | approx. 60 | ASTM D1186 |
| Gloss @ 60°, % | 80 unit | ASTM D523 |
| Direct/reverse impact, inch lbs | 120/120 | ASTM D2794 |
| 1/8" Conical mandrel | pass | ASTM D522 |
| Adhesion(cross cut) | 5B | ASTM D3359 |
| Pencil hardness | H | ASTM D3363 |

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