

Longcester® P 8800

Saturated, carboxylated polyester resin

General Description

PRIMID cure resin, 92/8 type, for architectural purposes. Can be used for dryblend low gloss with P8300

- Outdoor durable
- Fast cure
- Mechanical properties
- Flexibility

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-20
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 JP-80
Voltage:	60~90kV
Curing cycles:	10 min. @ 180 ℃

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.

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	clear granule	Visual
Viscosity	30~50 pa.s	Longcai method
Acid value	53~55 mg KOH/g	Longcai method
Color	Max 10	Longcai method
Tg	appr.62	Longcai method

Starting Formulation

Component	Weight	
P 8300	579.0	/
P 8800	/	552.0
LC-552	21.0	48.0
Titanium dioxide	300.0	300.0
LC-88 Flow agent	9.0	9.0
Benzoin	3.0	3.0

Film Properties

Item	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	27 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 (Mar)	H	ISO 15184-98