

Matt Hardener XG603-1B

I Description

Matt hardener XG603-1B is the salts of poly-carboxylic acid with cyclic amidine. Applied in suitable formulations it can produce matt or semi-matt gloss with very good flow and properties.

II Technical data

XG603-1B	Test Method	Specification
Appearance	Visualization	White powder
Melting Range	GB/T 617-2006	222~227 °C
Solid Content	GB/T 1725-2008	98.5%min

III Application

- XG603-1B can be applied both in pure epoxy and hybrid (epoxy-polyester) powder coatings. Gloss ranges from 5~10% in Epoxy coatings and 10~70% in Hybrid coatings.
- Coatings produced with XG603-1B are characterized by color and gloss stability under normal baking conditions.
- Hybrid coating with matt or semi-matt gloss may be achieved by replacing some of the polyester in the formulation with an equivalent quantity of XG603-1B.

IV Recommended Formula

S.N	RM		Supplier	Pure Epoxy	Hybrid
1	E12	Epoxy Resin	SSC	560	404
2	P6055	Polyester Resin	Sino-French	0	156
3	XG603-1B	Matt Hardener	SSC	56	30
4	GLP588	Leveling Agent	SSC	10	10
5	BLC701B	Leveling Additive	SSC	8	8
6	Benzoin	Degassing Agent	SSC	4	4
7	W-44HB	BaSO ₄	\	354	380
8	C	Carbon Black	\	8	8
	Total			1000	1000
	Gloss (%)		60°	<5	<28
	Appearance		Visualization	Smooth & Clean	Smooth & Clean
	Impact(Direct/Reverse)		kg.cm	50/40	50/50

V Package, Storage & Handling

Available in polyethylene-lined, multi-ply paper bags, N.W. 20KGS/Bag.

Store in closed containers; avoid contact with skin and eyes; wear dust mask when operating.

