

## Matting Agent XG610H

### I Description

XG610H is a kind of compound matting agent containing carboxyl, it reacts with epoxy as 1:1.4. The powder coatings formulated with XG610H has the excellent impact properties, flowing and yellowing resistance. The application of XG610H to the 50/50 or 60/40 resin could decrease the gloss effectively.

### II Technical data

XG610H	Test Method	Specification
Appearance	Visualization	White powder
Softening Point	GB/T 4507-1999	110~150 °C
Solid Content	GB/T 1725-2008	99.0%min

### III Application:

- 1 The dosage of XG610H is 1~5%. Esp. suit for smooth matt finishes with 4~40% gloss (60°).
- 2 As the gloss is connected with the resin used, the formulation should be tested in lab first. Coatings formulated with Shenjian 3B(5:5), Nanling 5511 can provide lower gloss and good impact properties.
- 3 It is not recommended to add catalysts such as imidazole in the formula to improve the impact properties, as which may lead to gloss and flow fluctuation. .
- 4 With XG610H super matt & flow effect and very good impact property can be obtained even resin ratio is low.
- 5 Baking Condition: 190°C/15min, or 200°C/12min.

### IV Recommended Formula

S.N	RM		Supplier	F1	F2	
1	E-12	Epoxy Resin	SSC	134	134	
2	SJ3B	Polyester Resin	ShjenJian	116	-	
3	5511	Polyester Resin	NanLing	-	116	
6	<b>XG610H</b>	<b>Matting Agent</b>	SSC	12.5	12.5	
7	GLP588	Leveling Agent	SSC	5	5	
8	BLC701B	Leveling Additive	SSC	4	4	
9	Benzoin	Degassing Agent	SSC	2	2	
10	C	Carbon Black	Pigement	0.2	0.2	
11	NTR760	TiO <sub>2</sub>	Pigement	80	80	
12	W-44HB	BaSO <sub>4</sub>	Filler	146.3	146.3	
<b>Total</b>				500	500	
Gloss				60°	10.0%	7.6%
Film Thickness				µm	60-80	60-80
Impact(Direct/Reverse)				kg.cm	50	50

\*Baking Condition: 190°C/15min

### V Package, Storage & Handling

Available in polyethylene-lined, multi-ply paper bags, N.W.25KGS/Bag.  
 Keep in the cool and dry place, keep away from fire.

