



烟台优联新材料有限公司

YANTAI YOLIAN ADVANCED MATERIALS CO.,LTD

Add:#406 Juzheng Building,No. 44 Zhujiang RD,Economic and Technological Development Dist.,Yantai China Tel&Fax:0086-535-6393167

Email:export@modularresins.com Website: www.modularresins.com

General Catalyst GC-008

(160°C/20 Mins,200°C/20 Mins, No Effect on Flow and Gloss, No Yellowing)

1.Product Introduction:

GC-008 is a kind of indoor and outdoor general type catalyst, it is self-crosslinking, can improve the adhesion of the film, does not affect the flow and gloss, has the effect of anti-yellowing property. It can completely improve the mechanical properties of the film when cures at 160 degrees to 200 degrees. It can be used as a curing accelerator for epoxy powder coating, epoxy/polyester powder coating and pure polyester /TGIC powder coating to improve curing effect, or as an internal catalyst containing carboxyl polyester resins to reduce curing temperature or shorten curing time. In indoor and outdoor system, curing condition can achieve 160 degrees /15-20 minutes, 170 degrees /10-15 minutes, 200 degrees /3-5 minutes , flow and mechanical properties are good.GC-008 could completely replace imidazoles, diphenylimidazoline and other catalysts which are easy to get yellowing and affect the leveling and storage stability, GC-008 is the upgrading product of them.

2.Technical Parameters

| | |
|------------------------|--------------------------------|
| Appearance | White or light yellow crystals |
| Purity (%) | ≥98.5 |
| Volatiles≤0.5 | (GB1725) |
| Acid value (KOHMG/G) | 31 |
| TG(°C) | 62 |

3.Application:

Pure epoxy powder coating,50/50 hybrid powder coating,60/40 hybrid powder coating, polyester/TGIC powder coating and polyester/HAA powder coating.



烟台优联新材料有限公司

YANTAI YOLIAN ADVANCED MATERIALS CO.,LTD

Add:#406 Juzheng Building,No. 44 Zhujiang RD,Economic and Technological Development Dist.,Yantai China Tel&Fax:0086-535-6393167

Email:export@modularresins.com Website: www.modularresins.com

4.Functions and Advantages:

- (1).It improves the stability of fine art powder coating, increase three-dimensional sense, not easy to expose substrate bottom. Enhance heat resistance, chemical resistance of powder coating, with better impact effect, it could significantly improves impact performance in orange texture powder coating;
- (2). It could increase powder coating's impact resistance and adhesion with metal substrate for a long time when used on galvanized sheet, magnesium alloy, electrophoretic paint, valves, security doors, safes, brake pads etc;
- (3).In heat transfer printing powder coating, it has a good film tearing effect, and the texture is clear, it can be used for both indoor and outdoor transfer printing powder coating;
- (4).Excellent catalytic effect, it can reduce the reaction temperature, energy saving and consumption reduction for the powder coating users, reduce electricity or coal and other energy consumption, reduce cost;
- (5). Good anti-yellowing, it does not affect the stability of color, does not choose polyester resin;
- (6).It will not cause gloss difference because of the different oven temperature and the different thickness of the workpieces,GC-008 can be used in matting powder coating without affecting its gloss and other properties;
- (7).It has self crosslinking property and will not make crosslinking catalysis reaction with resin, no yellowing, does not affect the flow and mechanical properties, good storage stability, completely replace the traditional catalyst with a better effect.

5.Use Method:

The dosage is 0.2-0.8% of total formula weight, added before extrusion.

6.Package and Storage:

25kg each bag packed in kraft paper bag. Store in a cool and dry place, avoid moisture absorption, seal the bag immediately after use, away from fire source. Store temperature below 30°C valid for 2 years.