

BPCOAT

GENERAL PRODUCT SERIES



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BPCOAT-EX

(Epoxy)



BPCOAT-EX series

(Epoxy)

These yield excellent chemical resistance (acid, alkali and salt solvents), corrosion resistance, good mechanical properties, flexibility, high level of adhesion, and resistance to abrasion. This group will chalk with exposure to sunlight. So this series is recommended for interior applications. The coating is curable in conventional oven from 160°C to 200°C metal temperature depend on formulation.

Used for;

- Electrical components for insulation,
- Armatures,
- Hospital/medical equipments,
- Laboratory Furnitures,
- Machine Components.



BPCOAT-EP

(Hybrid)



BPCOAT-EP series

(Hybrid)

These are epoxy powders with blend of polyester resins used for indoor applications. This series is similar to epoxies with improved resistance to yellowing in sunlight and weatherability. But unfortunately it still will chalk on exposure to sunlight.

This Series are resistant to wide variety of solvents and chemicals depending on formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product.

The coating is curable in conventional oven from 160°C to 180°C metal temperature depend on formulation.

Used for;

- Office and school furniture,
- Steel door,
- Shelf cupboard,
- Radiators,
- Lighting equipment.



BPCOAT-PE

(Polyester-TGIC)



BPCOAT-PE series

(Polyester-TGIC)

These offer resistant to chalking, UV light, weatherability. This series is recommended for both interior and exterior applications. The coating is curable in conventional oven between 180°C to 200°C metal temperature depend on formulation.



Used for;

- Aluminium profile,
- Garden and park furniture,
- Steel door,
- Exterior lighting equipment,
- Traffic signs,
- Automotive accessories
- Agricultural machinery.

BPCOAT-TF

(PRIMID-TGIC Free)



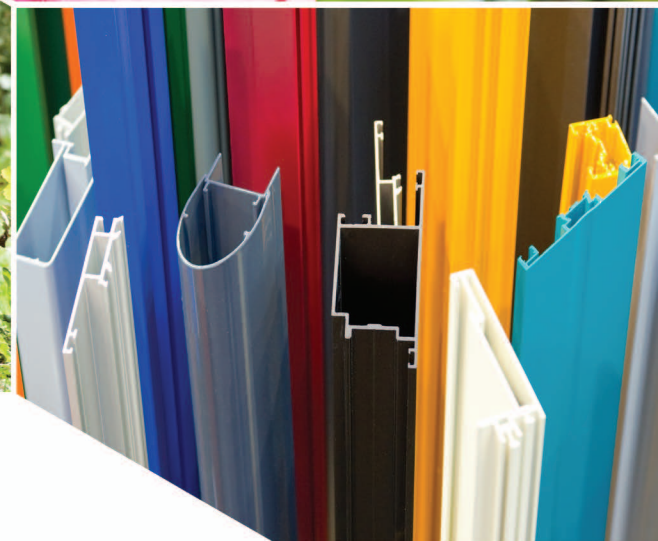
BPCOAT-TF series

(PRIMID-TGIC Free)

These offer similar mechanical properties to polyester with TGIC system but have some distinct advantages and disadvantages. Advantages are higher transfer efficiency, excellent storage stability, better flow of surface. The only disadvantage of this system is film thickness but this problem is solved considerably by improved formulations. The most important feature of this group is not contain heavy metals and toxic substances harmful to the human health. The coating is curable in conventional oven between 160°C to 190°C metal temperature depend on formulation.

Used for;

- Aluminium profile,
- Garden and park furniture,
- Agricultural machinery.



BPCOAT-PU

(Polyurethane)



BPCOAT-PU series (Polyurethane)

These are caprolactam-free-IPDI cured polyester based powder coating used for both indoor and outdoor applications with very good chemical and physical resistance. This series show outstanding thin-film appearance and toughness with excellent weather resistance. Advantages are higher transfer efficiency, excellent storage stability, better flow of surface, superior mar resistance and they are highly resistant to humidity and salt spray. The coating is curable in conventional oven from 180°C to 200°C metal temperature.



Used for;

- Aluminium profile,
- Automotive accessories,
- Agricultural machinery,
- Window frames and doors.



>Selection Guide

Property	Standart Polyester	Enhanced Polyester	Epoxy	Epoxy Polyester	Polyurethane
Weatherability	Good	Excellent	Very Poor	Poor	Good
Corrosion Resistance	Good	Good	Excellent	Very Good	Good
Chemical Resistance	Good	Good	Excellent	Very Good	Good
Heat Resistance	Good	Good	Poor	Good	Very Good
Impact Resistance	Good	Good	Excellent	Very Good	Very Good
Hardness	HB-4H	HB-4H	HB-5H	HB-2H	HB-3H
Flexibility	Good	Good	Excellent	Excellent	Very Good
Adhesion	Excellent	Excellent	Excellent	Excellent	Excellent
Gloss Range	15-95	15-95	5-95	5-95	5-95
Abrasion	Good	Good	Excellent	Good	Good
Low Bake	Yes	Yes	Yes	Yes	No
Film Appearance	Good	Good	Good	Good	Excellent
Cost	Medium	High	Medium	Low	High

Major Markets	Standart Polyester	Enhanced Polyester	Epoxy	Epoxy Polyester	Polyurethane
Indoor Furniture				ok	
Outdoor Furniture	ok	ok			
Architectural(window-door frame)	ok	ok			ok
Agricultural Equipments	ok	ok			
Panel Radiators				ok	
Air Conditioner	ok			ok	
Oven and Heaters	ok			ok	
Fire Extinguisher				ok	
Lighting	ok			ok	
Laboratory Equipments			ok	ok	
Electrical Equipment (ex. Panel)			ok	ok	
Home Appliance(ex. Refrigerator)				ok	
Bicycle	ok				
Functional (valve and pump)			ok		
Boiling Water Tanks				ok	