

BPCOAT

LTC Series

CAREFULLY SELECTED PARTICLES



Low-Cure
Powder Coatings

www.bpc.com.tr

BPCOAT LTC Series

Low-Cure Powder Coatings

We offer an eco-friendly solution with the BPCOAT-LTC series.

**High energy savings,
improved efficiency, lower production costs...**

The BPCOAT-LTC Series consists of epoxy, hybrid, and polyester (TGIC-based) powder coatings that cure at low temperatures and offer various gloss levels and special effects.

This series provides users with benefits such as energy savings and increased production efficiency.

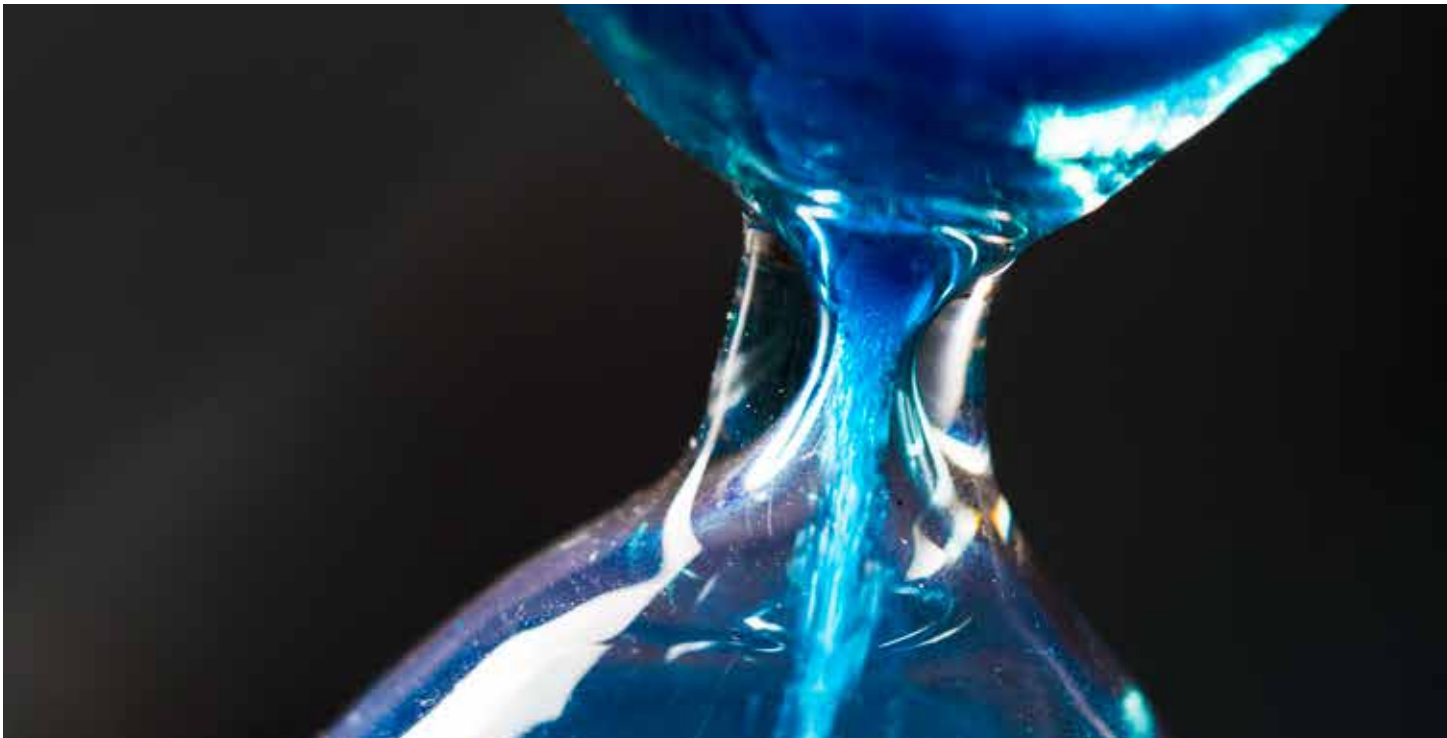
Thanks to its advanced technology, it delivers a high-quality finish with significantly reduced orange peel and pinholes, and offers curing options at low temperatures like 130°C, 140°C, and 160°C, with shorter curing times.

These powders are compatible with standard convection curing ovens.



Versatile Curing Options with BPCOAT-LTC Series

The BPCOAT-LTC Series offers a wide range of powder coatings that cure at various temperatures between 130°C and 160°C, with flexible reaction times ranging from 7 to 15 minutes — allowing manufacturers to adapt to different production needs and energy profiles.



Chemical Type	Curing Range (Metal Temperature)
Pure Epoxy	160°C: 7 Minutes Cure Range
Hybrid (Epoxy-Polyester)	130°C: 15 Minutes 160°C: 7 Minutes
Polyester (TGIC)	130°C: 15 Minutes 140°C: 7 Minutes

Low Cure, High Performance with BPCOAT-LTC Series!



Tests	Unit (method)	Metal Temperature: 130-140 °C/10 minutes	Metal Temperature: 160 °C/7 minutes
Surface Appearance		Color-dependent variable	Color-dependent variable
Color		All colors	All colors
Density	(EN ISO 1830-3)	1,2-1,8 (Varies depending on color and gloss)	1,2-1,8 (Varies depending on color and gloss)
Gloss	(EN ISO 2813 60°)	85-98 (There are limitations for lower gloss levels)	85-98 (There are limitations for lower gloss levels)
Hardness	Buchholz (EN ISO 2815)	>71	>71
Fluidity	SAMES 100 (EN ISO 8130-5)	100-140	100-140
Cracking (Cupping)	EN ISO 1520)mm	6mm	6mm
Impact	EN ISO 6272) Kg/cm	60-80kg.cm	60-80kg.cm
Adhesion	EN ISO 2409	Perfect Gt=0	Perfect Gt=0
Cylindrical Mandrel	EN ISO 1519	>5mm	>5mm
Salt Test	EN ISO 9227	300-400 Hours – No Embossing	300-400 Hours – No Embossing
Yellowing	DE	No Yellowing	No Yellowing
UV Resistance	(ASTM D4587),DE	Depends on the product type	Depends on the product type



Advantages of Low-Temperature Cured Coatings

- Thanks to low oven temperatures, it provides approximately 15% to 25% reduction in energy costs and a direct decrease in oil or gas consumption.
 - Allows painting on different surfaces and heat-sensitive parts.
- Offers faster line and production efficiency with the option of shorter curing times.
 - Applicable to parts of varying thicknesses.
 - Provides a wide range of color options.
 - No risk of yellowing during curing.



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