



Sustainable Low Bake Powder Coatings: improved productivity and energy efficiency



Revolutionize Your Coating Experience

The ENVIROCRON® Low Bake powder coatings portfolio offers customers exceptional flexibility to utilize the products according to their specific needs:

- With the **speed-cure option**, curing times can be significantly reduced, leading to enhanced productivity and faster throughput.
- *Envirocron* Low Bake powder coatings enable **lower curing and oven temperatures** without compromising productivity. This not only reduces CO₂ emissions, but also saves energy costs and lowers the carbon footprint of manufactured components.
- Additionally, *Envirocron* Low Bake powder coatings stand out for their **wide curing windows**, ensuring exceptional process stability by significantly reducing the risk of over- or underbaking.

Benefits

- Improved productivity and energy efficiency
- CO₂ footprint reduction
- High process stability (wide curing window)
- Outdoor Polyesters with curing at 150°C (302°F)
- Blooming-resistant
- Good storage stability

Recommended End Use

- Industrial outdoor application e.g. agricultural and construction machinery, garden furniture, fencing
- Indoor application e.g. shelving, office furniture, partitioning, white goods



Increase your productivity!

- Use oven times more economically
- Save working hours and personnel costs
- Higher productivity in the same amount of time



Become more energy efficient!

- Save energy and energy costs
- Reducing the CO₂ footprint of your company and the coated parts



Increase your process reliability!

- Prevents over- or undercuring of various complex thin- and thick-walled component groups despite different oven curves
- Enables simultaneous curing of different material groups / reduced planning effort



Portfolio and Curing Conditions

	ENVIROCRON P5 Series Epoxy Low Bake			ENVIROCRON P8 Series Epoxy-Polyester Low Bake		
	PPG's portfolio includes primers and highly functional and chemical-resistant topcoats.			PPG's hybrid powder coating series for the decoration and protection of interior parts.		
Optimal Alternative	Gloss	Matt	TX	Gloss	Matt	TX**
	10 min 130°C* (266°F)	1)	10 min 130°C* (266°F)	10 min 140°C (284°F)	10 min 160°C* (320°F)	10 min 140°C* (284°F)
	10 min 140°C* (284°F)	1)	10 min 140°C* (284°F)	10 min 150°C (302°F)	10 min 160°C (320°F)	10 min 150°C (302°F)
	-20°C to -40°C (from 68°F to 104°F temperature reduction)			-20°C to -40°C (from 68°F to 104°F temperature reduction)		
	ENVIROCRON P7 Series Polyester Standard Durable Low Bake			ENVIROCRON P1 Series UltraX Polyester Ultra Durable Low Bake		
	PPG's standard low bake series for everyday outdoor use.			PPG's highly weather-resistant low bake series for demanding outdoor applications.		
	Gloss	Matt	TX**	Gloss	Matt	TX**
	20 min 150°C (302°F)	20 min 150°C (302°F)	20 min 150°C* (302°F)	20 min 150°C (302°F)	20 min 150°C (302°F)	20 min 150°C* (302°F)
	10 min 160°C (320°F)	10 min 160°C (320°F)	10 min 160°C (320°F)	10 min 160°C (320°F)	10 min 160°C (320°F)	10 min 160°C (320°F)
	-20°C (68°F temperature reduction)			-20°C (68°F temperature reduction)		

*Special developments

1) not market-relevant

On request only

**Fine Textured and Coarse Textured Semi Gloss and Gloss

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