

COATINGS

EMPIREX Series

EMPIREX 139

EMPIREX 139 is a low-structure carbon black developed for coatings where very low mill-base viscosity and high pigment loading matter more than maximum jetness. Its low oil absorption lets formulators reach high carbon loadings without excessive viscosity build, enabling cost-effective, easy-to-handle dispersions.

Rather than competing on deep masstone, EMPIREX 139 delivers easy dispersion, low vehicle demand and good flow, suited to economical industrial finishes, primers and tinting bases. It keeps workable rheology at loadings where higher-structure blacks would gel, improving throughput and lowering additive demand.

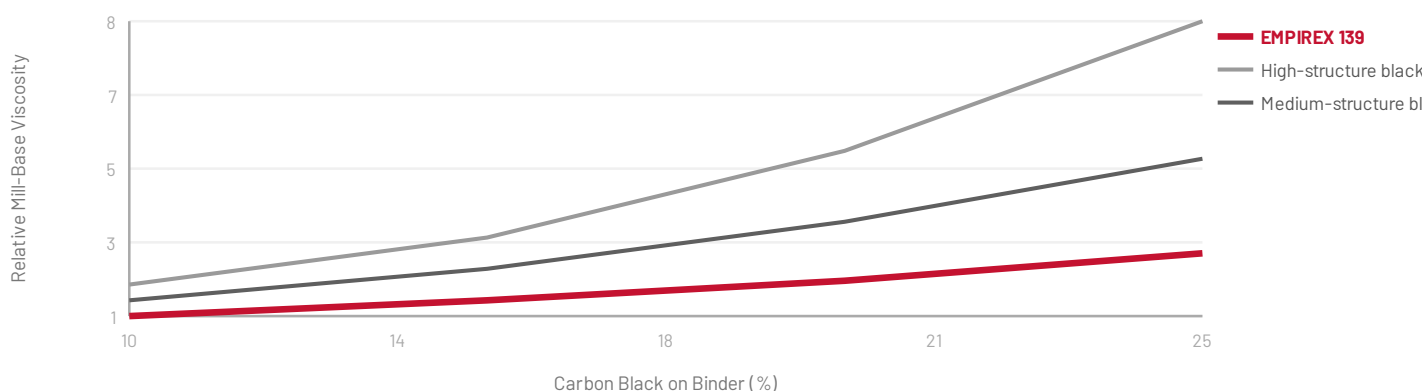
KEY APPLICATIONS

- Low-viscosity industrial coatings
- High-loading mill-base dispersions
- Primers & undercoats
- Tinting & toning bases
- General-purpose coatings

PERFORMANCE FEATURES

- Low mill-base viscosity at high loading
- Low oil absorption (low structure)
- Easy dispersion
- Low vehicle/additive demand
- Cost-effective at high loading
- Good flow & handling

Mill-Base Viscosity vs Pigment Loading



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Bead + Powder
DBP Absorption No.	cc/100g	92 ± 6
BET Surface Area	m ² /g	82 ± 6
PH Value		9.0 ± 1
Tint Strength	%	107 ± 5
Average Original Particle Size	nm	30 ± 2
Volatile Content	%	≥ 1.0

APPLICATION FIELD

Application	Recommended Dosage
Energy-Cure (UV) Coatings	1 - 3%
Industrial Coatings	2 - 5%
Primers & Undercoats	3 - 5%
Tinting Bases	1 - 3%
Pigment Pastes	5 - 15%
General Coatings	2 - 5%

Recommended dosage (% on binder) can vary depending upon formulation and dispersion conditions.
Physical Form: Bead + Powder | Packaging: 10 kg (powder) / 20 kg (bead) paper or PE bag

ISTAR MATERIALS

Ground Floor, Plot 1/3, Priyadarshini Parisar
 West Yellow Building
 Opp. Hotel Grand Dhillon, Behind IDBI
 Bank Bhilai, Chhattisgarh - 490020, India

Notice and Disclaimer

The data and information provided herein are based on our current knowledge and experience and are believed to be accurate. However, ISTAR MATERIALS cannot guarantee that similar results will be obtained by others as processing conditions and formulations may vary. This information is provided for guidance purposes only and does not constitute a warranty or guarantee of performance.

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