

COATINGS

EMPIREX Series

EMPIREX 209

EMPIREX 209 is a specialty carbon black selected where long-term UV protection and weathering durability matter alongside colour. Because finer particles carry higher surface area, they absorb more UV light and reduce photo-degradation of the binder, extending the service life of exterior and durable coatings.

EMPIREX 209 balances colour, dispersibility and UV screening for exterior architectural, wood, coil and industrial coatings. It can also support energy-cure systems where controlled UV interaction is needed. Typical loading is 2-5% on binder; weathering performance improves with good dispersion.

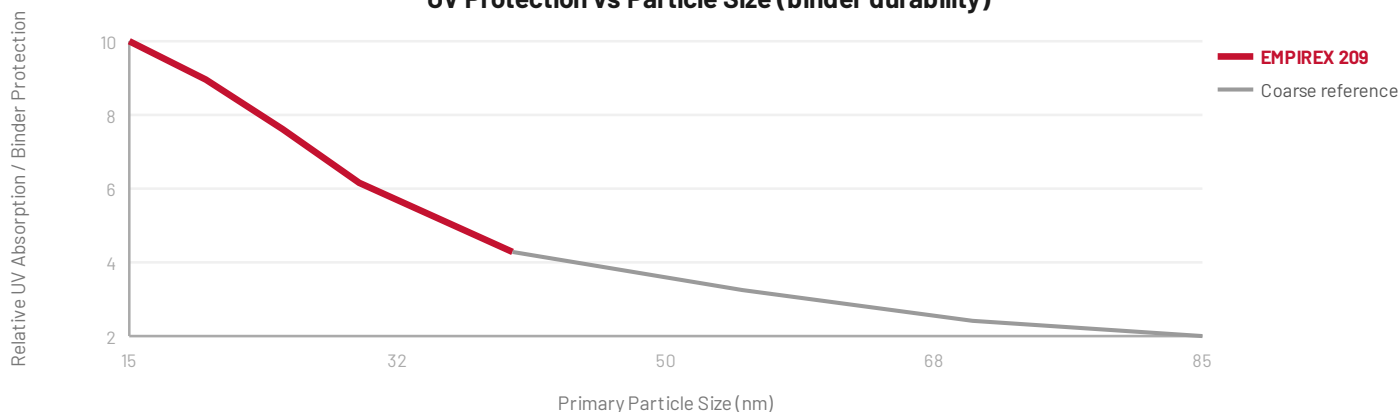
KEY APPLICATIONS

- Exterior architectural coatings
- Wood & furniture coatings
- Coil & industrial durable coatings
- Weather-resistant finishes
- UV-exposed substrate coatings

PERFORMANCE FEATURES

- High UV absorption (binder protection)
- Improved weathering durability
- Balanced colour & dispersibility
- Suited to exterior & wood coatings
- Reliable in solvent & water systems
- Good service-life extension

UV Protection vs Particle Size (binder durability)



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Bead + Powder
DBP Absorption No.	cc/100g	90 ± 6
BET Surface Area	m ² /g	152 ± 7
PH Value		5.0 ± 1
Tint Strength	%	127 ± 6
Average Original Particle Size	nm	22 ± 2
Volatile Content	%	≥ 4.5

APPLICATION FIELD

Application	Recommended Dosage
General Industrial Coatings	2 - 5%
Powder Coatings	1.5 - 4%
Primers & Undercoats	3 - 6%
Tinting Bases	1 - 3%
Wood & Furniture Coatings	2 - 5%
Solvent / Water-Based 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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