

COATINGS

EMPIREX
Series

EMPIREX 307

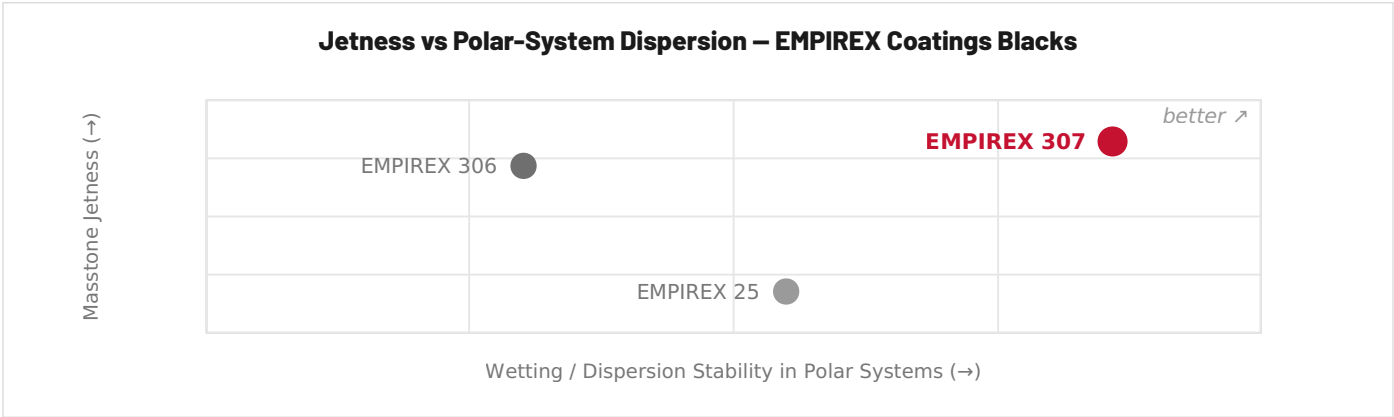
EMPIREX 307 is a low-structure, oxidised specialty carbon black engineered for polar and waterborne coating systems. Its oxidised, acidic surface wets readily in polar binders, giving low mill-base viscosity, easy dispersion and excellent dispersion stability, with a distinctive blue undertone and high gloss in full masstone.

EMPIREX 307 suits waterborne industrial coatings, stoving and acid-catalysed enamels and high-gloss topcoats where deep jetness, strong flow and storage stability are essential. The treated surface reduces dispersant demand and supports stable, low-viscosity dispersions at high pigment loadings.

- KEY APPLICATIONS

 - Waterborne industrial coatings
 - Stoving and acid-catalysed enamels
 - High-gloss topcoats and finishes
 - Aqueous pigment concentrates
 - Coil and appliance finishes
 - Deep jetness general industrial blacks
- PERFORMANCE FEATURES

 - Oxidised surface for polar and aqueous wetting
 - Low viscosity and easy dispersion
 - Deep masstone with blue undertone, high gloss
 - Excellent storage and dispersion stability
 - Reduced dispersant and additive demand
 - High pigment loading capability



TYPICAL VALUE			APPLICATION FIELD	
Test Items	Unit	Standard	Application	Recommended Dosage
Physical Form	-	Powder	Waterborne Industrial Coatings	2-6%
DBP Absorption No.	cc/100g	43 ± 6	Stoving & Acid-Catalysed Enamels	2-5%
BET Surface Area	m²/g	62 ± 7	High-Gloss Topcoats	2-5%
pH Value	-	3.0 ± 1	Deep Masstone Finishes	2-6%
Tint Strength	%	110 ± 6	Aqueous Pigment Concentrates	15-25%
Average Original Particle Size	nm	28 ± 2	Coil & Appliance Finishes	2-5%
Volatile Content	%	≥ 2.0		

Recommended dosage (% on binder) can vary with binder, neutralising package and dispersion conditions.

Physical Form: Powder | Packaging: 10 kg paper or PE bag