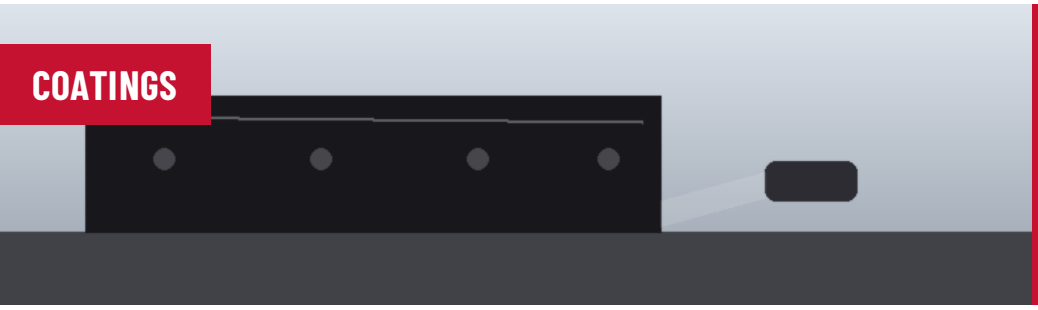
TECHNICAL DATA SHEET



COATINGS

EMPIREX
Series

EMPIREX 91

EMPIREX 91 is a medium-colour specialty carbon black balancing good jetness, reliable dispersibility and controlled rheology for industrial and general coatings. Its moderate particle size and structure give dependable colour development with manageable viscosity in both solvent- and water-borne systems.

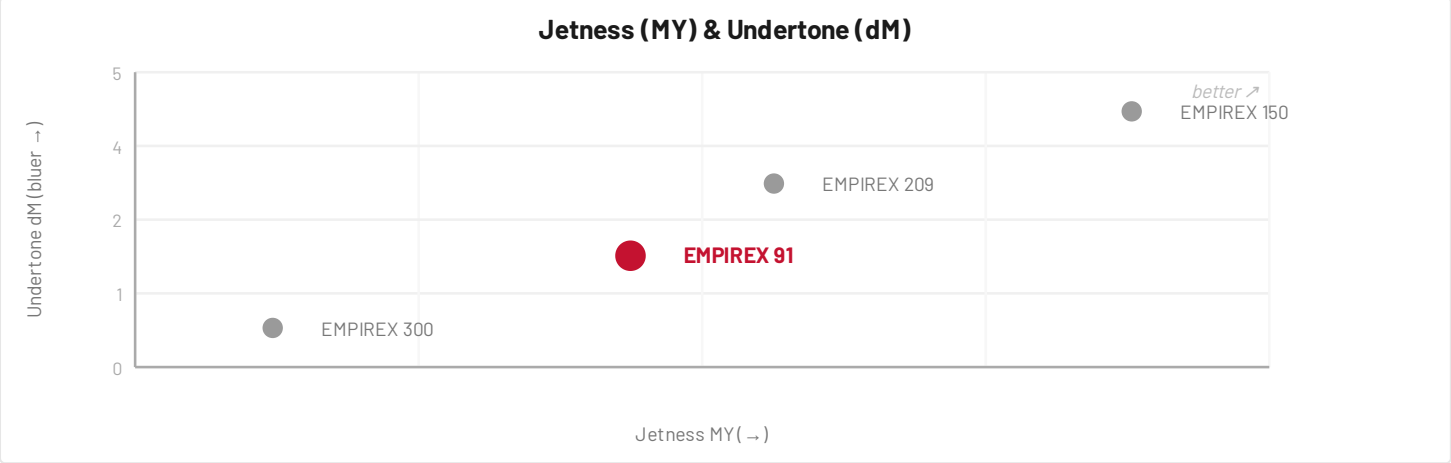
EMPIREX 91 delivers efficient colour at moderate loading with smooth processing and good batch-to-batch consistency, suited to general industrial finishes, primers and tinting bases. Typical loading is 2–5% on binder with standard dispersion equipment.

KEY APPLICATIONS

- General industrial & protective coatings
- Powder coatings
- Primers & undercoats
- Tinting bases & colour systems
- Solvent- & water-borne finishes

PERFORMANCE FEATURES

- Balanced jetness & tinting strength
- Reliable dispersibility, controlled viscosity
- Good colour at moderate loading
- Stable in solvent- & water-borne binders
- Consistent batch-to-batch
- Cost-effective, easy handling



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	**Bead + Powder**
DBP Absorption No.	cc/100g	**86 ± 6**
BET Surface Area	m^2/g	**170 ± 7**
PH Value		**4.0 ± 1**
Tint Strength	%	**125 ± 6**
Average Original Particle Size	nm	**23 ± 2**
Volatile Content	%	**≥ 1.5**

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
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Notice and Disclaimer

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