



**EMPIREX 550** is a general-purpose specialty carbon black combining easy dispersion, high loading capability and dependable tinting performance for industrial and protective coatings. Its relatively large particle size and high structure give smooth let-down and controlled rheology in both solvent- and water-borne systems.

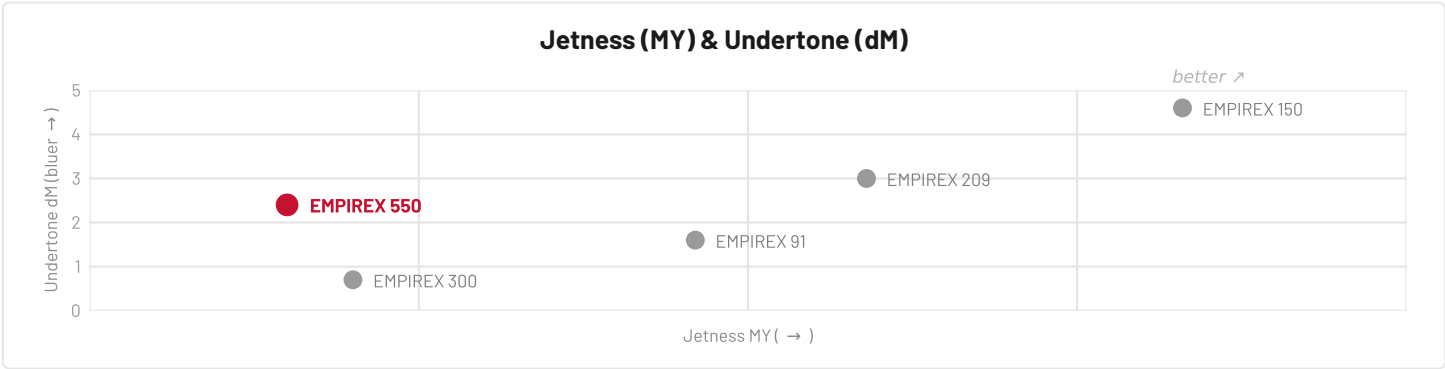
EMPIREX 550 delivers economical colour and UV protection where extreme jetness is not required, suited to underbody and underhood applications, primers and tinting bases. Typical loading is 2-5% on binder with standard dispersion equipment.

KEY APPLICATIONS

- General industrial & protective coatings
- Underbody & underhood coatings
- Primers & undercoats
- Tinting bases & colour systems
- UV-protective & weatherable finishes

PERFORMANCE FEATURES

- Fast, easy dispersion
- High loading, controlled viscosity
- Blue undertone in tints
- Good UV performance
- Stable in solvent- & water-borne binders
- Cost-effective, easy handling



TYPICAL VALUE

| Test Items                     | Unit    | Standard |
|--------------------------------|---------|----------|
| Physical Form                  | -       | Bead     |
| DBP Absorption No.             | cc/100g | 121 ± 6  |
| BET Surface Area               | m²/g    | 40 ± 5   |
| PH Value                       |         | 9.0 ± 1  |
| Tint Strength                  | %       | 60 ± 5   |
| Average Original Particle Size | nm      | 45 ± 5   |
| Volatile Content               | %       | ≤ 1.0    |

APPLICATION FIELD

| Application                    | Recommended Dosage |
|--------------------------------|--------------------|
| General Industrial Coatings    | 2 – 5%             |
| Underbody & Underhood Coatings | 3 – 6%             |
| Primers & Undercoats           | 3 – 6%             |
| Tinting Bases                  | 2 – 4%             |
| UV-Protective Coatings         | 2 – 4%             |
| Solvent / Water-Based Coatings | 2 – 5%             |

Recommended dosage (% on binder) can vary depending upon formulation and dispersion conditions.

ISTAR MATERIALS

Ground Floor, Plot 1/3, Priyadarshini Parisar  
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Notice and Disclaimer

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