

## COATINGS

## EMPIREX Series

## EMPIREX 183

**EMPIREX 183** is a medium- to low-colour carbon black for tinting, greying and toning, giving clean undertone, reliable tinting strength and very easy dispersion. Its larger particle size yields a consistent neutral-to-blue grey in white blends with low viscosity.

EMPIREX 183 is a cost-effective choice for tinting bases, architectural coatings and general colourant systems, with good opacity and straightforward processing. Loading is matched to the target depth of shade and the white base used.

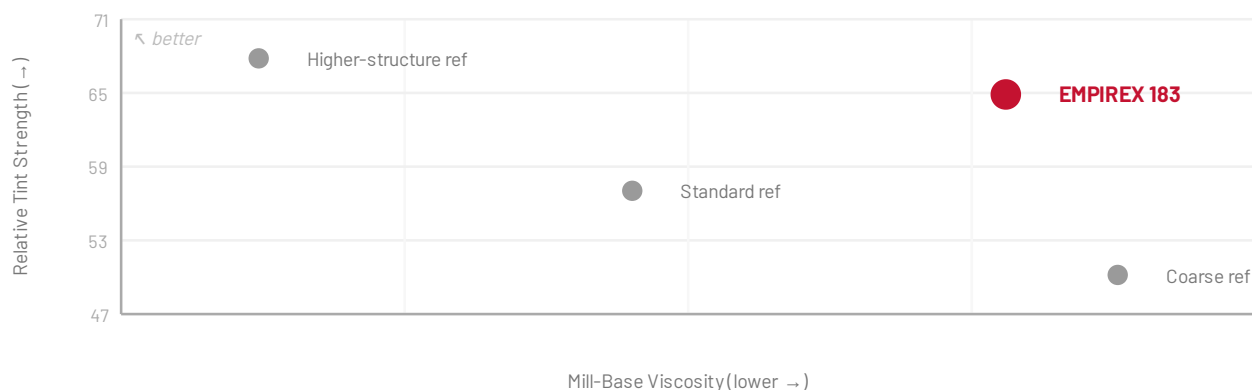
### KEY APPLICATIONS

- Tinting & toning bases
- Architectural & decorative coatings
- General industrial coatings
- Greying of white systems
- Economy black coatings

### PERFORMANCE FEATURES

- Clean neutral-to-blue grey undertone
- Reliable tinting strength
- Easy dispersion (larger particle)
- Good opacity & rub resistance
- Cost-effective colourant
- Straightforward processing

### Tint Strength vs Mill-Base Viscosity



### TYPICAL VALUE

| Test Items                     | Unit              | Standard       |
|--------------------------------|-------------------|----------------|
| Physical Form                  | -                 | <b>Powder</b>  |
| DBP Absorption No.             | cc/100g           | <b>80 ± 6</b>  |
| BET Surface Area               | m <sup>2</sup> /g | <b>32 ± 7</b>  |
| PH Value                       |                   | <b>3.0 ± 1</b> |
| Tint Strength                  | %                 | <b>65 ± 6</b>  |
| Average Original Particle Size | nm                | <b>70 ± 2</b>  |
| Volatile Content               | %                 | <b>≥ 1.0</b>   |

### APPLICATION FIELD

| Application                 | Recommended Dosage |
|-----------------------------|--------------------|
| Tinting & Toning Bases      | 0.5 – 2.5%         |
| Architectural Coatings      | 1 – 3%             |
| General Industrial Coatings | 1 – 4%             |
| Greying of White Systems    | 0.3 – 1.5%         |
| Decorative Coatings         | 1 – 3%             |
| Economy Black Coatings      | 3 – 6%             |

■ Recommended dosage (% on binder) can vary depending upon formulation and dispersion conditions.  
**Physical Form: Powder | Packaging: 10 kg paper or PE bag**

## ISTAR MATERIALS

Ground Floor, Plot 1/3, Priyadarshini Parisar  
 West Yellow Building  
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### 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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