

COATINGS

EMPIREX Series

EMPIREX 17

EMPIREX 17 is a high-structure, low-surface-area specialty carbon black developed for industrial and OEM coatings where dependable jetness, a clean blue undertone and easy dispersion matter more than maximum mass-tone blackness. Its high structure (DBP ~119 cc/100g) combined with a low surface area (BET ~45 m²/g) makes it one of the easiest-dispersing grades in the EMPIREX range, reaching full colour development at low mill energy.

It is well suited to underbody / underhood and general industrial coatings, primers and tinting bases. EMPIREX 17 delivers consistent tint strength and a blue undertone that lifts the appearance of grey and coloured systems. As a tinting black it disperses readily on standard production equipment; final colour depends on equipment choice and let-down formulation.

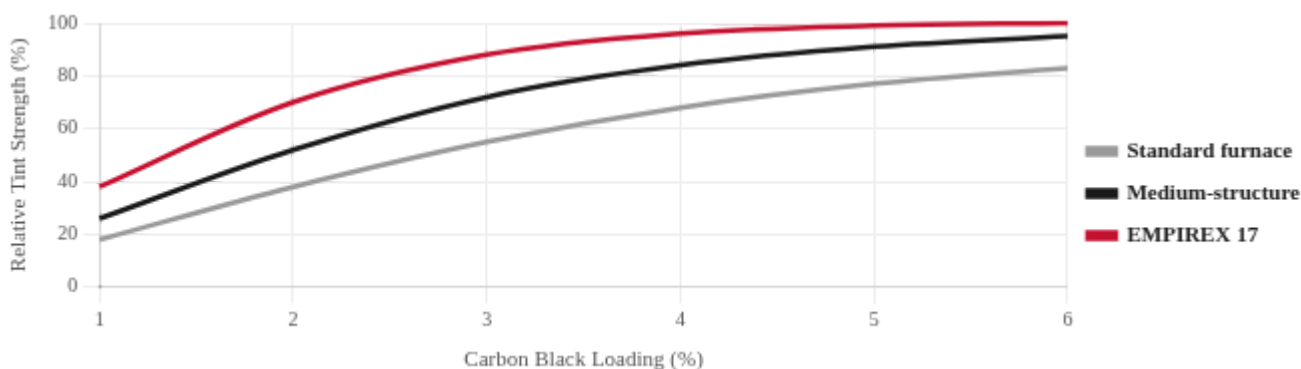
KEY APPLICATIONS

- Industrial & OEM coatings
- Underbody / underhood automotive coatings
- Primers & undercoats
- Tinting & shading bases
- General-purpose pigment dispersions

PERFORMANCE FEATURES

- Easy dispersion at low mill energy
- Clean blue undertone
- Consistent tint strength
- High structure, low surface area
- Good UV & opacity contribution
- Cost-effective jetness

Tint Strength Development vs Loading



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Powder
DBP Absorption No.	cc/100g	119 ± 10
BET Surface Area	m ² /g	45 ± 5
PH Value		8.0 ± 1.0
Tint Strength VS IRB#3	%	60 ± 5
Heating Loss	%	≤ 1.0
Sieve Residue 325M	ppm	≤ 50
Toluene Discoloration	%	≥ 90
Ash	%	≤ 1.0

APPLICATION FIELD

Application	Recommended Dosage
Industrial topcoats	2 – 6%
Underbody / underhood coatings	3 – 8%
Primers & undercoats	2 – 5%
Tinting & shading bases	1 – 4%
Pigment dispersions	15 – 30%

Recommended dosage can vary with system, equipment design and dispersion conditions.

Physical Form: Powder | Packaging: 25 kg paper or PE bag