



TIPAQUE BLACK SG-101

IR Reflective Black Pigment

Why TIPAQUE BLACK SG-101 for Coatings?

- Lower Surface temperature without compromising black aesthetics
- High NIR(780-2500 nm) Reflectance
- Chromium-free/ Environmentally friendly
- Supports Cool Roof & Energy Regulations

Applications

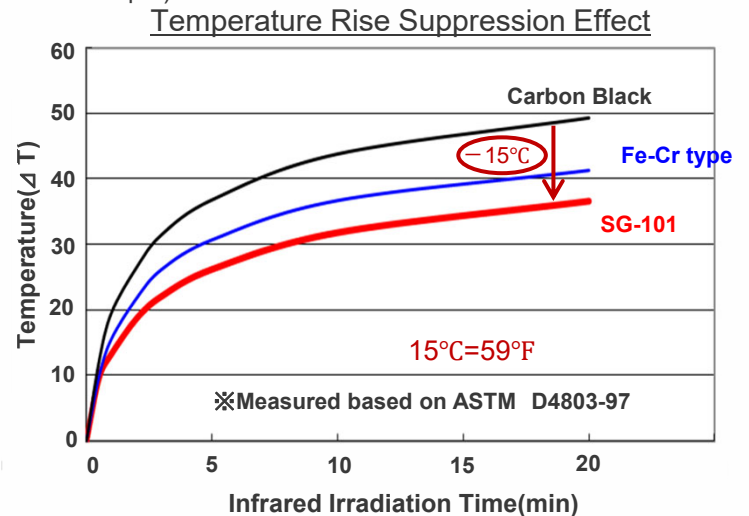
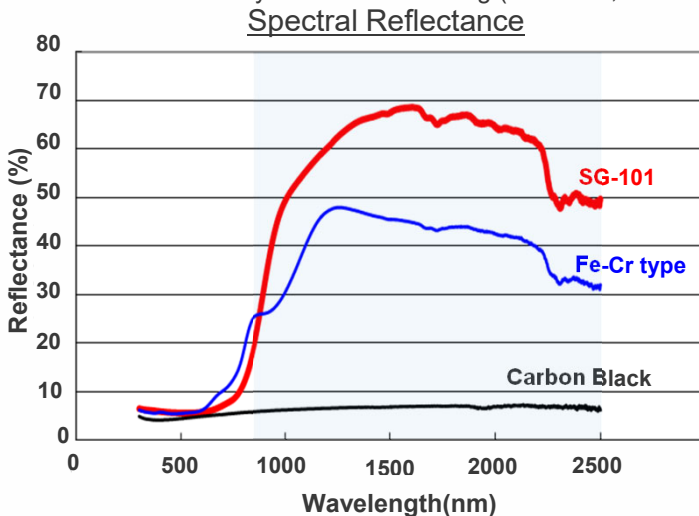
- Architectural Coatings : Roof, Wall
- Exterior Metal Coatings
- Industrial Coatings

→ **Designed to support**

California Title 24/ Cool Roof/ LEED REQs

Dark Color without Heat Penalty

Evaluation of Alkyd/Melamine Coating (P/B = 1/1, Film Thickness = 55µm)

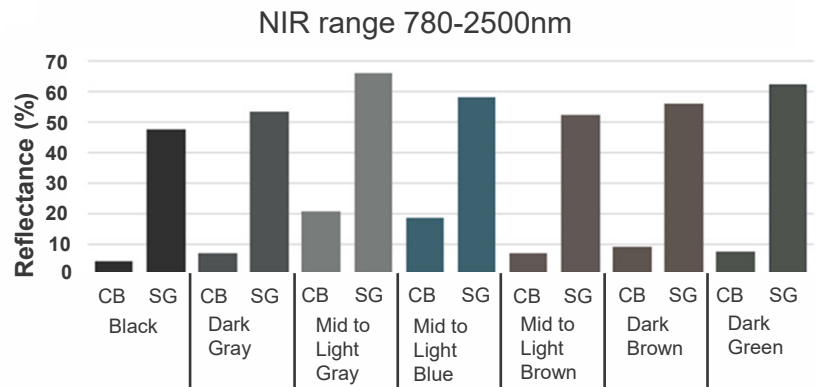


Typical Physical Properties (for formulation reference)

C.I.G.N. Pigment Black 36, C.I. No. 772255

Item	Value
Specific Gravity(g/cm ³)	4.1
Average Particle Size(nm)	950
Specific Surface Area (m ² /g)	2.7
Oil Absorption(g/100g)	13
pH	9.9

Sample	Color		
	L	a	b
SG-101	10.7	1.1	1.2
Fe-Cr Type	15.7	3.1	2.5
Carbon Black	7.1	-0.4	0.6



Not only Black but also various dark color can get high SR benefit from SG-101.

Looking for cool black solutions for coatings? → Contact ISK for application support & samples