



# TIPAQUE BLACK SG-101

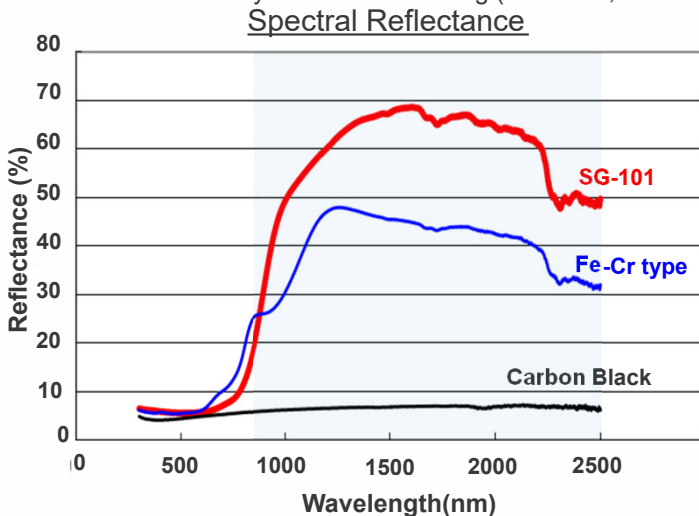
## IR Reflective Black Pigment

### Why TIPAQUE BLACK SG-101 for Coatings?

- Lower Surface temperature without compromising black aesthetics
- High (80-2500 nm) Reflectance
- Chromium-free/ Environmentally friendly
- Supports Cool Roof & Energy Regulations

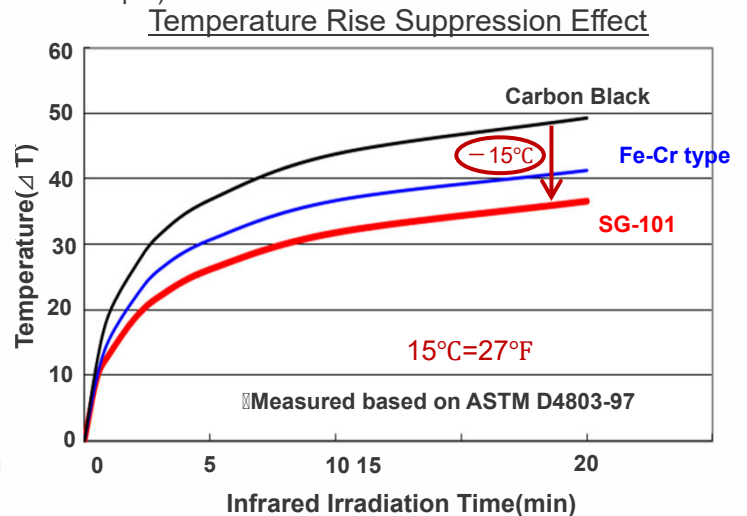
### Dark Color without Heat Penalty

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



### Applications

- Architectural Coatings : Roof, Wall
- Exterior Metal Coatings
- Industrial Coatings
- **Designed to support California Title 24/ Cool Roof/ LEED REQs**

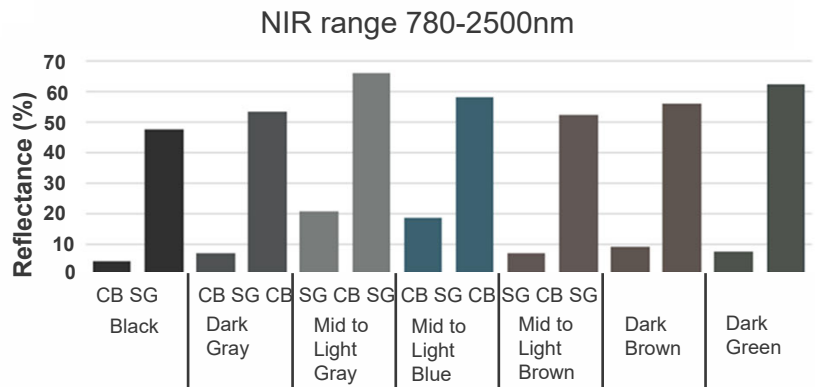


### Typical Physical Properties (for formulation reference)

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

Item	Value
Specific Gravity(g/cm <sup>3</sup> )	4.1
Average Particle Size(nm)	950
Specific Surface Area (m <sup>2</sup> /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