

INFRARED-REFLECTIVE PIGMENT AND INFRARED-REFLECTIVE COATING
COMPOSITION

ABSTRACT

To provide an infrared-reflective pigment and infrared-reflective coating composition provided with both high infrared-light reflecting properties and high visible-light transparency. Provided is a flake-shaped infrared-reflective pigment, the infrared-reflective pigment 1 characterized by being provided with a layered body 13 having at least one metal thin-film layer 11 and at least two transparent dielectric layers 12, the film thickness of the dielectric layer 12 being $(\text{an integer multiple of } \lambda/4n) \pm 10 \text{ nm}$, where λ is the wavelength of incident light in a visible-light peripheral region and n is the refractive index of the dielectric layer 12. Also provided is an infrared-reflective coating composition containing the infrared-reflective pigment 1.

Figure 1