

ABSTRACT

5       A metal or non-metal heat-generating element cover  
having excellent heat absorptivity, having coated at  
least on the inner surface thereof a heat-absorptive  
layer having an entire emissivity of 0.70 or more in the  
wave number region of 600 to 3,000  $\text{cm}^{-1}$  as measured at a  
certain temperature in the range from 80°C to 200°C; a  
surface-treated metal sheet having excellent heat  
10 absorptivity and electrical conductivity, comprising a  
metal sheet or plated metal sheet having coated at least  
on one surface thereof the above-described heat-  
absorptive layer comprising a) 100 parts by mass of a  
binder solid content, b) from 10 to 150 parts by mass of  
15 a heat-absorptive pigment and optionally c) from 1 to 150  
parts by mass of an electrically conducting pigment; a  
refrigerator having excellent heat efficiency, comprising  
a metal-made exterior plate having coated on the inside  
surface thereof the above-described heat-absorptive  
20 layer; a portable or in-vehicle device containing a heat-  
generating electronic component and being enclosed in a  
case having inside thereof a heat-absorptive layer, the  
heat-absorptive layer comprising from 1 to 20 parts by  
mass of a carbon having a particle size of less than 0.1  
25  $\mu\text{m}$  and from 1 to 140 parts by mass of a carbon having a  
particle size of 0.1 to 50  $\mu\text{m}$  per 100 parts by mass of  
the binder solid content, with the total of the carbons  
being from 10 to 150 parts by mass.