

The surface coating process used by SAS has been developed over many years and renders every SAS ceiling product, corrosion resistant, dirt repellent and extremely durable.

Polyester powder provides a superior resilient finish to that achievable using the conventional stove enamelled or wet paint process.

Excellent film properties of adhesion, resulting in resistance to scratching, impact, bend and humidity (1,000 hour salt spray test performance) - full test details available from our technical department.

Polyester powder finish is suitable for use on exterior ceiling applications where SAS recommend that all surfaces of the metal panel are coated providing high resistance to weathering and product yellowing at elevated temperatures. The polyester powder finish also has excellent resistance characteristics and may be cleaned with to normal non-abrasive detergents using a lint free cloth.

Gloss Level

SAS recommend that a low gloss level is specified on ceiling tiles. A standard 20% gloss level is provided on SAS products.

Colour Ranges

A wide range of other colours are available. SAS standard colour finish is RAL9010 white.

Technical Leaflet 4

Thermal Insulation

Where mineral wool of 80 Kg/m³ is placed into the back of the metal tile, a conductivity (k) value of 0.033W/m°C is achieved. Mineral wool is an inert material and does not harbour biological or bacterial growth. Some pattern staining may occur with perforated tiles caused by heat migration from a warm room environment to a cooler ceiling void condition.

Hermetically sealed cassette tiles and fixed acoustic fleece is available to avoid pattern staining, alternatively good quality rockwool infills of a reasonable density, not less than 45Kg/m³ should be placed in the back of the perforated panels to reduce the rate of heat migration. SAS standard rockwool insulation pad density is 80Kgs/m³.

Fire Propagation and Surface Spread of Flame

SAS metal ceiling products together with acoustic infills have been tested to BS476 parts 6 and 7 to give a class O index of performance and class 1 Surface Spread of Flame requirement in accordance with the Building Regulations.

SAS **do not** claim any **fire resistance** quality for their metal ceilings.

In accordance with our policy of continuous product improvement, we reserve the right to amend specifications without prior notice.