



## SAFFIL BLANKET INFORMATION SHEET

**SAFFIL BLANKET is a high purity, polycrystalline alumina fibre blanket engineered for ease of use and high performance in the manufacture of high density blanket modules of all types. SAFFIL MAT is held compressed to a density of approximately 100kg/m<sup>3</sup> by a needled organic scrim material giving the product excellent characteristics during module manufacture, significantly reducing dust exposure.**

### IDEAL FOR MODULE MANUFACTURE



SAFFIL BLANKET is particularly well suited to the manufacture of veneering type modules.

Manufactured by a unique solution extrusion process to ensure the highest levels of chemical purity, the lowest possible levels of shot content (non-fibrous particles) and exceptional control of fibre diameter

SAFFIL BLANKET is manufactured to be resistant to thermal shrinkage and chemical attack up to 1600°C.

### COMPOSITION

All SAFFIL BLANKET products are manufactured from SAFFIL MAT containing 96% alumina, 4% silica and with total impurities of less than 0.1%. The organic content of SAFFIL BLANKET attributable to the scrim material only is < 3%.

The fibre diameter is very tightly controlled with a median of around 3 microns and virtually no fibres of less than 1 micron in diameter.

### RESISTANT TO CHEMICAL ATTACK

SAFFIL products have proven themselves highly resistant to chemical attack which occurs in insulating fibres when metal oxides attack volatile silica molecules at high temperatures. As SAFFIL BLANKET contains silica in only a small percentage as a crystalline growth inhibitor and as it does not include any free silica, SAFFIL BLANKET, like all SAFFIL grades, is less susceptible to chemical attack than insulating fibre blankets with a high silica content.

### WIDE VARIETY OF END USE INDUSTRIES!

SAFFIL BLANKET has established an impressive reputation in demanding insulation applications ranging from large reheat, galvanising and annealing furnaces in the steel industry to furnaces processing high value electrical and ceramic products (often in highly corrosive atmospheres) in the porcelain, electronics and chemical industries.

SAFFIL Ltd  
Pilkington Sullivan Site,  
Tanhouse Lane,  
Widnes,  
Cheshire.  
WA8 0RY, U K  
Tel + 44 (0) 151 422 6700  
Fax + 44 (0) 151 422 6701  
Web <http://www.saffil.com>

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