

1600°C PAPER SAFFIL®

We supply premium grade high temperature ceramic fibre papers, manufactured using Saffil® alumina fibres together with a combination of inorganic and organic binders, providing outstanding temperature stability, purity and chemical resistance.

Saffil® is a high purity polycrystalline alumina fibre (PCW), stabilised with silica. It is characterised by its uniform fibre diameter (2-4 microns) and virtual absence of non-fiberised material.

These papers and felts, produced from Saffil® fibres in the carefully controlled production process, maintain these outstanding characteristics ensuring they are soft, flexible and resilient with smooth surfaces.

Properties

- Maximum use temperature 1600° C
- Colour White
- Density 130 - 150kg/m³
- Organic Content 5 - 10%

Composition after Organic Burn-Out

- Alumina >90%
- Silica <8%
- Other oxides <2%

Standard Sizes (mm)

Thickness	0.5	1.0	2.0	3.0
Roll Width	550	550	550	550
Roll Length	91000	19000 + 91000	19000 + 46000	19000

Typical Applications

- High temperature expansion joints and seals
- Linings for molds and launders
- Separating media for metal and ceramic operations
- Separation barrier in HIP processes
- Insulating layers in battery and electrical equipment
- Catalyst supports and filtration media