

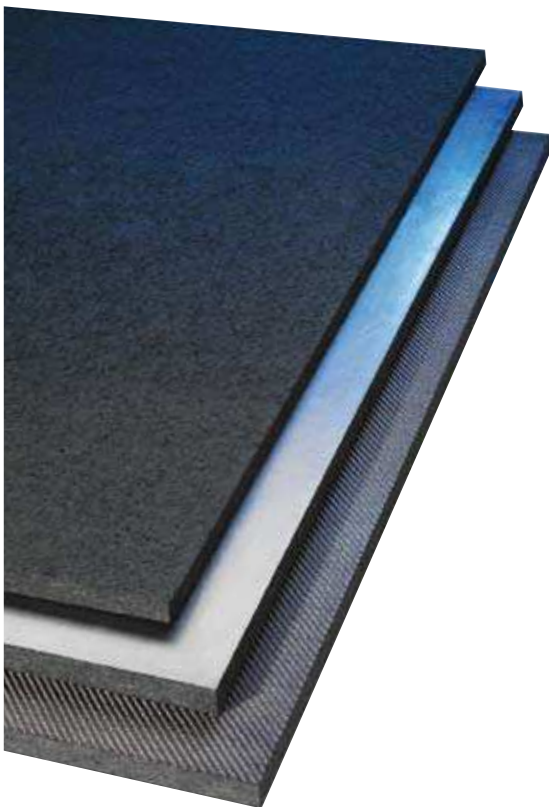
# SIGRATHERM® MFA

## Rigid Felt Composite

SIGRATHERM MFA high-temperature insulation material provides excellent thermal properties and high mechanical strength. It is supplied in individual shapes and non-standard sizes.

SIGRATHERM MFA is part of SGL Group's unique range of materials.

**Our company complies with DIN EN ISO 9001:2000 quality standards.**



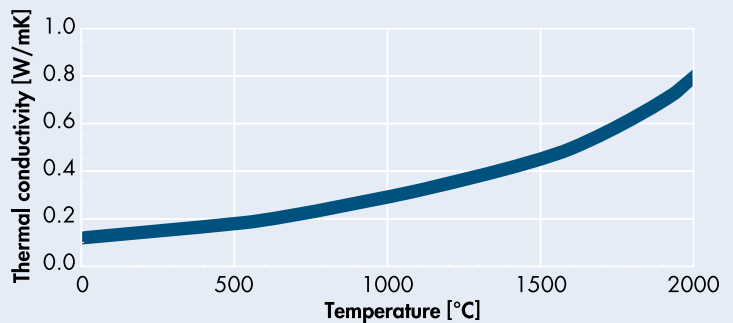
### Mechanical properties (MFA-FF)

	Temperature	Unit	Typical value
Density		g/cm <sup>3</sup>	0.2
Bending strength	20°C	MPa	1
Young's modulus	20°C	MPa	290
Shear strength	20°C	MPa	0.1

### Thermal properties (MFA-FF)

	Unit	Typical value
Max. application temperature	°C	2,000 inert gas atmosphere
	°C	2,000 vacuum

**Thermal conductivity of MFA rigid felt as a function of temperature (inert gas atmosphere)**



### Further properties

	Unit	Typical value
Ash value (regular grade)	%	0.1
Ash value (purified grade)	ppm	< 20
Moisture absorption	%	< 1.0

**Broad Base. Best Solutions.**

## Advantages of SIGRATHERM MFA

- ▶ Largest standard board available on the market, results in less waste
- ▶ Surface coverings/coatings, e.g.:  
SIGRABOND® CFC  
SIGRAFLEX® graphite foil  
SIGRATHERM® SC coating
- ▶ Excellent insulation properties
- ▶ Purified grades available
- ▶ Ideal for inductively heated furnaces
- ▶ High erosion resistance
- ▶ Easy to machine

## Forms supplied MFA

Length mm (inch)	Width mm (inch)	Thickness mm	MFA	MFA-FF MFA-CC MFA-FCC
1,524 (60")	1,219 (48")	30 ± 2		X
		40 ± 2	X	X
		50 ± 2	X	X

## Order information

e.g. SIGRATHERM

MFA

-

FCC

1,524 x 1,219 x 40 mm

Rigid felt composite board

Surface covering, if desired:

**FF** = both sides are covered with SIGRAFLEX foil

**CC** = both sides are covered with SIGRABOND CFC

**FCC** = both sides are covered with SIGRABOND CFC,  
one side is covered with SIGRAFLEX foil  
(boards only)



Board dimensions



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