

Promat

PROMAGLAF® HTI Board, felt and paper

PROMAGLAF® HTI are earth-alkali silicate fibres (high temperature glass fibres) and do not belong to the group of ceramic fibres. PROMAGLAF® HTI has reduced biological resistance and is not subject to any classification.



PROMAGLAF® HTI fibres are lightweight, flexible insulating materials with high permanent temperature resistance, low thermal conductivity and partly high chemical resistance. This insulating material is an important component for economical, modern thermal insulation, from industrial furnace right down to household appliance construction industry. The homogeneous, long-fibre structure improves the various technical properties.

ADVANTAGES AND PROPERTIES

PROMAGLAF® HTI boards

- Excellent homogeneity and hardness over the whole wall thickness
- High mechanical strength
- Good dimensional stability after thermal application
- Low thermal conductivity
- Insensitive to thermal shocks
- Excellent machinability

PROMAGLAF® HTI felt

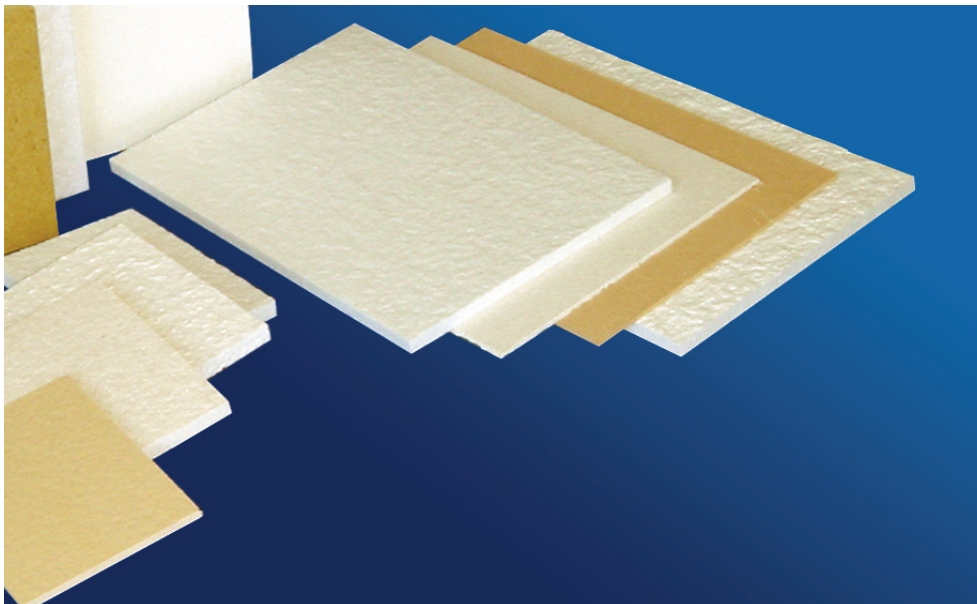
- Soft, lightweight stable board
- Low thermal conductivity
- Insensitive to thermal shocks
- Excellent machinability

PROMAGLAF® HTI paper

- Lightweight thin material
- Low thermal conductivity
- Insensitive to thermal shocks
- Excellent machinability

AREAS OF APPLICATION

- Back-up insulation
- Heat shields and sound insulation
- Expansion joints
- Furnaces for insulation
- Household appliances





TECHNICAL DATA

Product name

PROMAGLAF® HTI

	Boards and vacuum shaped parts		Felt	Paper	Paper	
Colour	white	white	white	white	white	
Classification temperature	1260	1260	1260	1100	1260	°C
Bulk density ρ	330	340	190-220	200-300	140-180	kg/m ³
Shrinkage at 1100 °C after 24 h	3,30	3,80	2,80	4,00		%
Thickness	6 - 25	30-100				mm
Thermal conductivity λ	200°C	0,06	0,06	0,08	0,06	-
	400°C	0,08	0,07	0,10	0,01	0,08
	600°C	0,11	0,10	0,15	0,15	0,11
	800°C	0,13	0,14	0,21	0,22	0,16
	1000°C	0,16	0,17	0,30	-	0,21
						W/mK

STANDARD SIZES

Promat contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. In case of any doubt if these properties and/or values are matching the application requirements, please contact Promat for advise.

Dimensions	boards/ box	boxes/ pallet	Dimensions	Rolls/ pallet
PROMAGLAF® HTI boards 1260°C			PROMAGLAF® HTI paper 1100°C	
1200 x 1000 x 6 mm	25	12	610 x 10.000 x 5 mm	30
1200 x 1000 x 8 mm	18	12	610 x 125.000 x 1 mm	16
1200 x 1000 x 10 mm	15	12	610 x 60.000 x 2 mm	16
1200 x 1000 x 12 mm	12	12	610 x 35.000 x 3 mm	16
1200 x 1000 x 15 mm	10	12	610 x 25.000 x 4 mm	16
1200 x 1000 x 20 mm	7	12	610 x 20.000 x 5 mm	16
1200 x 1000 x 25 mm	6	12		
1000 x 610 x 30 mm	5	24	PROMAGLAF® HTI paper 1260°C	
1000 x 610 x 40 mm	3	24	610 x 125.000 x 1 mm	20
1000 x 610 x 50 mm	3	24	610 x 60.000 x 2 mm	16
1000 x 610 x 60 mm	2	24	610 x 35.000 x 3 mm	20
1000 x 610 x 70 mm	2	24	610 x 25.000 x 4 mm	20
1000 x 610 x 80 mm	1	24	610 x 20.000 x 5 mm	20
1000 x 610 x 90 mm	1	24	610 x 15.000 x 6 mm	20
1000 x 610 x 100 mm	1	24		
PROMAGLAF® HTI felt 1260°C				
1230 x 1000 x 5 mm	30	12		
1230 x 1000 x 6 mm	25	12		
1230 x 1000 x 8 mm	18	12		
1230 x 1000 x 10 mm	15	12		
1230 x 1000 x 12 mm	12	12		
1230 x 1000 x 15 mm	10	12		
1000 x 610 x 20 mm	7	24		
1000 x 610 x 25 mm	6	24		
1000 x 610 x 30 mm	5	24		
1000 x 610 x 40 mm	3	24		
1000 x 610 x 50 mm	3	24		
1000 x 610 x 60 mm	2	24		
1000 x 610 x 70 mm	2	24		
1000 x 610 x 80 mm	1	24		
1000 x 610 x 90 mm	1	24		
1000 x 610 x 100 mm	1	24		