

## PROMABLOCK® 900

The PROMABLOCK® 900 board is a compressed, self-supporting board made of alkaline earth silicate fibres, mineral wool and perlite with added organic binder. This board is used as front and as rear lining. It is characterised by low bulk densities, good thermal insulating and corresponding stability.



### ADVANTAGES AND PROPERTIES

- Very good thermal insulation
- Low heat storage
- High temperature-change resistance and insensitive to thermal shocks
- Excellent machinability
- Lightweight thermal insulating material, break-proof
- Water-repellent

### WORKING AND PROCESSING

The PROMABLOCK® 900 boards can be worked extremely cleanly and accurately with any kind of woodworking machines and tools.

### Bonding

For bonding PROMABLOCK® 900 boards together or with other heat insulating materials, the bonding agent 1000 and 1450 bonding agent are suitable.

The PROMABLOCK® 900 board is lightweight, but due to a special production process also a break-proof material, often used as front and as rear lining in connection with high-quality ceramic fibres for all requirements of industrial furnace construction.

### AREAS OF APPLICATION

- Rear lining for heating, heat-retaining and melting plants in metallurgy
- Hot and flue gas ducts of industrial furnaces and dryers
- Insulating layer in combustion chambers for heating boilers
- Prefabricated parts and cut sections in the construction of machinery, apparatus and appliances
- Asbestos substitute for a wide range of applications
- Rear lining in kilns and ceramic furnaces



# PROMABLOCK® 900 TO 900°C



## TECHNICAL DATA

Product name	PROMABLOCK® 900	
Colour	yellow/green	
Classification temperature	900	°C
Bulk density $\rho$	230	kg/m <sup>3</sup>
Cold Compressive strength	0,15	N/mm <sup>2</sup>
Shrinkage at CT 12h	2,5	%
Thermal conductivity $\lambda$		
200 °C	0,08	W/mK
400 °C	0,12	W/mK
600 °C	0,18	W/mK
800 °C	0,25	W/mK

Dimensional tolerances of standard boards:  
Lengths and widths:  $\pm 3,0$  mm  
Thicknesses:  $\pm 1,0$  mm

## 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
600 x 900 x 20 mm	14	14
600 x 900 x 25 mm	12	14
600 x 900 x 30 mm	10	14
600 x 900 x 40 mm	7	14
600 x 900 x 50 mm	6	14
600 x 900 x 60 mm	5	14
600 x 900 x 70 mm	4	14
600 x 900 x 75 mm	4	14
600 x 900 x 80 mm	3	14
600 x 900 x 90 mm	3	14
600 x 900 x 100 mm	3	14

