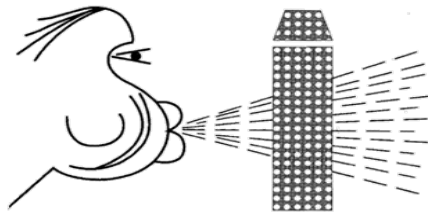


METAPOR® Products

April 2005

METAPOR® - micro-porous, air permeable aluminium

METAPOR® is a composite material consisting of two major components. Different granules, such as aluminium or ceramic materials and binders are currently used. The material is air-permeable over the entire surface, because of its micro-porous structure. In contrast to sintered materials, the pores are not closed off after machining.



The numerous advantages are useful in the *Thermoforming* industry as well as for *vacuum clamping* and *air cushion devices*. Design flexibility is enhanced because micro-vents are an integral part of the complete surface. The material's inherent properties eliminate the need to design and manufacture complex venting systems.

METAPOR® is available in square slabs of 500 x 500 mm with thickness ranging from 10 – 400 mm and slabs of 1000 x 500 mm with thicknesses between 10 and 200 mm. Larger dimensions up to 3500 x 2000 mm with a maximum weight of 150 kg can be bonded upon request.

For various applications, five different METAPOR® products are available at present. The major differences are within the air permeability, pore size and temperature stability.

Product Selection Table

Product	Thermoforming		Vacuum clamping systems	Air cushion systems	Ceramic Industry	Temperature stability	Air - permeability*
	Standard	Transparent					
BF 100 AL	X					108°C	100%
HD 100 AL	X	X				108°C	50%
HD 210 AL	X	X				210°C	50%
MC 100 AL			X			100°C	800%
CE 100 WHITE			X	X	X	100°C	100%

*Reference values to air permeability of BF100AL.