

METAPOR Product Overview / 31.12.2019

	Aluminium composites							Ceramic composites			Steel composites	
	HD 100 AL	HD 210 AL	BF 100 AL	BF 210 AL	MC 100 AL	MC 200 AL	MC 240 AL	MC 100 WHITE	CE 100 WHITE	CE 170 WHITE	MA 100 BLACK	ES 240 INOX
Air permeability ^{*1}	50%	50%	100%	100%	800%	800%	850%	800%	100%	100%	100%	200%
Vacuum clamping	*	*	**	**	**	*	**	**	***	***	***	**
Air cushion / air film	*	*	**	**	***	**	***	***	***	***	-	-
Injection mould and blow mould venting	-	-	-	-	-	-	-	-	-	-	-	***
Ceramic industry	-	-	-	-	-	-	-	***	***	***	-	-
EPS, EPE, EPP foam moulds (resist high pressure steam)	-	-	-	-	-	***	-	-	-	-	-	-
Thermoforming:												
PET	***	**	**	***	-	-	-	-	-	-	-	-
PP	***	**	***	***	-	-	-	-	-	-	-	-
PS	**	**	***	***	-	-	-	-	-	-	-	-
PE	***	**	**	**	-	-	-	-	-	-	-	-
PVC	***	***	**	**	-	-	-	-	-	-	-	-
ABS	*	*	**	**	-	-	-	-	-	-	-	-
PC	*	***	-	-	-	-	-	-	-	-	-	-
Available in 500x500mm	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Available in 1000x500mm	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
Transparent applications	***	***	*	*	-	-	-	-	-	-	-	-
High temperature	*	***	*	***	*	**	***	*	*	**	*	***
Low surface roughness	***	***	**	**	*	*	*	*	***	***	**	**
High surface resistance	**	**	*	*	*	*	*	**	***	***	***	***
Porosity	16%	16%	15%	15%	26%	24%	22%	18%	20%	20%	16%	20%
Heat resistance	108°C	240°C	108°C	240°C	108°C	200°C	240°C	108°C	108°C	170°C	108°C	240°C

*1 Reference values to the air permeability of METAPOR BF 100 AL