
TECHNICAL CHARACTERISTICS / STEREO AND ABSO

	COMMON COVER	
Definition	**Aeria***	**AN foam**
Structure	innovative sound transparent knitted fabric (*international pa-	open-cell foam
Colours	24 colours	grey
PHYSICAL PROPERTIES		
Density EN ISO 845	0.320 - 0.340 kg/m2	4-10 kg/m^2
Thermal conductivity EN 12667	0.042 w/mk	0.032-0.034 w/mk
Continuous **resistance to heat**	< 80°	50 h at 150°
Light reflectance pearl grey colour, MR 820 (Datacolor v2.3 colorimeter)	83%	
RUGGEDNESS		
Mechanical properties		
Tensile strength at break (ISO 1798)		> 90 kPa
Elongation at break (ISO 1798)		> 21%
Resistance to compression (ISO 3386-1)		> 4 kPa
Abrasion resistance (EN 530–number of rubs)	> 40 000	
Fraying	no	
Dimensional variations under normal conditions of T and RH:	none	
Colour fastness (ISO 105-B02) (scale 1 to 8)	≥ 5	
Electrostatic properties (EN 1149-1)	7 10^{10} Ω	
Fluid repellent treatment AATCC118 (scale 1 to 6)	coeff ≥ 5	
Conditions of exposure		
Texaa® products are designed to be exposed to a relative humidity of up to 90% and variations in temperature of up		
SAFETY AND HYGIENE		
Fire safety rating	**does not produce incandescent droplets**	
France NF	M1 - non dripping	M1 - non dripping
Europe EN	B-s1,d0	
Germany DIN	B1 (orientation test)	B1
USA ASTM	Class A	
Upper calorific potential (EN ISO 1716)	19.851 MJ/kg	19.915 MJ/kg
Lower calorific potential (EN ISO 1716)	7.821 MJ/m^2	7.468 MJ/m^2
ENVIRONMENT		
Development of micro-organisms	**The materials used reduce the presence of house dust mites and micro-**	
HQE® approach, standard NF P01-010		
Emissions of VOC and formaldehyde (ISO 16000)	very low, not toxic and not carcinogenic	
in accordance with German protocol AgBB (March 2008)		
MAINTENANCE		
	removable cover, machine washable at 30°C dry flat* *except for ceiling pads and totems	
Aeria* dust and soiling repellent coating.	clean with a vacuum cleaner every one to five years, depending on local conditions.	

STEREO			ABSO
Constituents		**Complete panel**	**Constituents**
cloth	**frame**		**AM foam**
microporous cloth	steel + aluzinc		open-cell foam
black or grey (depending on colour chosen)			light grey
0.049-0.060 kg/m²			8-11 kg/m²
			0.032-0.034 w/mk
			50 h à 150°
			>90 kPa
< 5%			>10%
			>5 kPa
		none	±1 %
to 30°C in the absence of corrosive contaminants.			
does not produce incandescent droplets		**does not produce incandescent droplets**	
M1 - non dripping	M0		M1 - non dripping
		B-s2,d0	
			B1
		Class A	Class A
18.1874 MJ/kg		19.784 MJ/kg	19.915 MJ/kg
1.567 MJ/m²			7.468 MJ/m²
organisms	**The materials used reduce the presence of house dust mites and micro-organisms**		
Health and environment declaration sheet available			
very low, not toxic and not carcinogenic		very low, not toxic and not carcinogenic	
		passes	
removable cover, machine washable at 30°C dry flat*			*except for ceiling pads and totems
clean with a vacuum cleaner every one to five years, depending on local conditions.		clean with a vacuum cleaner every one to five years, depending on local conditions.	