

Table 3, Fabric parameters related to experiment 2. Clothing air permeabilities are shown recalculated to different units to allow comparison with literature (e.g. Bernard et al. 2010)

Type (air permeability code)	EH (extra high)	H (high)	M (medium; actual NBC suit)	L (low)
Content	100 % Cotton	70/30 Polyester/ Viscose	Cotton / Acryl or PolyAmide	50/50 polyester/ polyamide
Thickness incl. charcoal loaded foam layer	2.8	3.1	2.9	2.8
Weight g.m ⁻²	133,1 g	255,7 g	225,3 g	128,8 g
air resistance mm H ₂ O.s.cm ⁻¹ [cm.s ⁻¹ @100 Pa]	0,0948 [105,4]	0,2054 [48,7]	0,5370 [27,0]	6,7940 [1,47]
Air permeability l.s ⁻¹ .m ⁻² @100 Pa [l.min ⁻¹ acc. ISO9237: @100 Pa and 20 cm ²]	1005 [121,0]	487 [58,4]	186 [22,3]	15 [1,8]
Air permeability l.(min.cm ² .bar) ⁻¹	6050	2920	1115	88
Vapour resistance incl. charcoal foam	3,5 mm	3,2 mm	3,2 mm	3,4 mm