

**Description:** Flexible, closed cell insulation material with built in Microban® antimicrobial protection

**Material Type:** Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.

**Colour:** Black

**Material Special Information:** Self-adhesive coating: pressure sensitive adhesive coating on modified acrylate basis with mesh structure. Covered with polyethylene film, traces of silicon can be found on the protective film used on self-adhesive closures.

**Applications:** Insulation / protection to control condensation reduce every loss and protect against frost on pipes, air ducts, vessels (inc elbows, fittings, flanges etc). Suitable for hot and cold water services, chilled water lines, heating systems, air conditioning ductwork and refrigerated pipe work.

**Special Features:** MCCP-Free

**Safety and Environment:** Type III Environmental Product Declaration (EPD). Declaration number "EPD-ARM-20150110-IBB1-DE", Institut Bauen und Umwelt e.V. (IBU).

Green Guide A rating = 2.75 points (2 points from Mat 04 + 0.75 uplift for tier 2 EPD).

**Assembly:** Lightweight and flexible. Closed cell structure means no additional vapour barrier is required.

**Remarks:** Declaration of performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011.

PROPERTY	SPECIFICATION LIMITS		TEST	REMARKS
Temperature Range	Max Service Temp +110°C (+85°C when sheet or tape is glued to a flat object) Min Service Temp -50°C		EU5709	Tested acc. to EN14706 EN14707 and EN14304
Thermal Conductivity	Tubes 6-19mm, sheet & tape 3-32mm Tubes 25-32mm Sheets, tape 3-32mm	$\lambda \leq 0.033$ W/(m . K) $\lambda \leq 0.036$ W/(m . K) $\lambda \leq 0.033$ W/(m . K)	EU5709	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
Water vapour diffusion resistance	Tubes 6-19mm; sheets 6-32mm Tubes 25-32mm	$\mu \geq 10'000$ $\mu \geq 7000$	EU5709	Tested acc. to EN 12086 EN 13469
Reaction to Fire	Tubes Sheets & Tape	BL-s3, d0 B-s3, d0	EU5709	Classified acc. to EN13501-1 Tested acc. to EN13823 EN ISO 11925-2
	Surface spread of Flames	Class 1	GB5731 & GB5732	Surface spread of Flame: tested acc. To BS476 Part 7: 1997
	Fire Propagation	Total Index Performance (I) $\leq 12$ Sub Index (i1) $\leq 6$	GB5731 & GB5732	Fire Propagation: tested acc. To BS476 Part 6: 1989
Fire Performance acc. To Building Regulations	Class 0	GB5731 & GB5732		
Other fire class	FM-approved		D5551	Tested acc. to UBC26-3, Class No.4924
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames			
Dimensions and tolerances	In accordance with EN 14304, table 1		EU5709	Tested acc. to EN822, EN823, EN13467
UV resistance	Protection against UV-radiation with Armafinish 99 paint is required. Alternatively use Armaflex Tuffcoat or Arma-Chek Silver.			
Health aspects	ODP & GWP ratings of zero			
Storage & Shelf Life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year		Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)	
Antimicrobial behaviour	In-built Microban® antimicrobial protection: no fungal growth observed			