

**Description:** Halogen free, flexible closed cell insulation material with certification for use in marine environments, rail and military sectors. Also suitable for use in clean rooms and server rooms.

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

**Colour:** Dark Grey / Anthracite

**Applications:** Insulation / protection for air conditioning / refrigeration, ventilation, and process equipment to prevent condensation and save energy in pipework, air ducts, vessels (incl. Elbows, fittings, flanges etc.)

**Special Features:** Zero halogens (chloride, bromide) acc. to DIN / VDE 0472, part 815. Fulfills DIN 1988 Parts 2 and 7.

**Safety and Environment:** ODP zero, GWP zero (EU 5197)

**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 the object with its whole surface) Min Service Temp -50°C	EU5664	Tested acc. to EN14706 EN14707 and EN14304
Thermal Conductivity	$\lambda \leq 0.040 \text{ W/(m} \cdot \text{K)}$	EU5664	Tested acc. to BS 874 Part 2 1986 EN 12667 EN ISO 8497
Water vapour diffusion resistance	$\mu \geq 2'000$	EU5664	Tested acc. to DIN 52 615 EN 12086 EN 13469
Reaction to Fire	Class 1	GB 5157	Tested acc. to BS 476 Part 7: 1997
	Sheets, tape Euroclass E  Tubes Euroclass DL-s3, d0	EU5664	Classified acc. to EN 13501-1. Tested acc. to EN 13823 + EN ISO 11925-2
Other fire class	Ship Building: Bureau Veritas, Det Norske Veritas, Lloyds Register Low Flammability	Ship Build: D5555 / D5348	Ship Building: acc. to IMO A653(16)
	Railway sheets up to 25mm S4 SR2 ST2	EU5475 & EU6111	Railway: acc. to DIN 54837 ISO 5659 (DIN 5510-2)
	Railway sheets 6mm, 19mm M1 F1, M2 F2  UL approved HF-1	Railway: D6666 / D5863  UL: EU 5837 FM: D4266	UL: acc. to UL94, IEC 60695 and Can/CSA-C.22.2 No. 0.17., UL746C
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
Dimensions and tolerances	In accordance with EN 14304, table 1		Tested acc. to EN822, EN823, EN13467
Chemical behaviour	Resistant against commonly used building materials including concrete, lime, gypsum, cement		
Health aspects	Dust & fibre free		
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)
Resistance to	Building Materials: Very Good Chemicals: Consult Product Test List Ozone: Very Good		
Water Absorption	0.2% by volume		Test acc. to ASTM C209