



Maad SD

Brief description:

Highly-flexible, closed-cell insulation foam with improved fire retardant properties, low smoke generation and in-built Microban, antimicrobial protection for railway vehicles.

Material type:

Elastomeric foam based rubber; manufactured with Armaprene® patented technology; US patent no. 8,163,811, EU patent pending.

Material special information:

The pressure-sensitive adhesive coating is based on modified acrylate basis with mesh structure and covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.

Colour:	blue
Lenght tolerance for sheets:	+/- 1,5%
Thickness tolerance:	3 - 6 mm ± 1,0 mm 9 - 19 mm ± 1,5 mm

Applications:

Insulation / protection for air ducts and pipes (incl. elbows, fittings, flanges etc.) of airconditioning/refrigeration to prevent condensation.

Technical Data

Properties	Result	Test Method
<u>Temperature range</u>	Max service temp. + 110°C Min service temp. - 50°C	EN 14706 EN 14 EN 14304
<u>Thermal conductivity λ</u>	$\leq 0,040$ W/mK	Declared acc. To EN ISO 13787 Tested acc. To EN 12667 EN ISO 8497
<u>Water vapour diffusion resistance μ</u>	≥ 5000	EN 12086 EN 13469
<u>Fire performance</u>	HL2, R1 (for 3 mm sheets & tapes–HL3, R1) S4, ST2, SR2, FED 0,43 G1, V2, D2, T2, I1,8 Passed ASTM E 162	EN 45545-2 DIN 5510-2 GOST 12.1.044-89 ECE R-118 p. 6-8 NFPA 130
<u>Practical fire behaviour</u>	Self-extinguishing, does not drip, does not spread flames	-

Rail SD tubes:

Length 2m. colour blue

Insulation thickness [mm]	Roll length [m]	m ² /carton
3,0	30	30
6,0	15	15
9,0	10	10
13,0	8	8
19,0	5	5