



MAAD RF Rail Tech ALU



Description

Black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PCV. CFC, HCFC free, Antimicrobial behavior. Thermal insulation of railway application, air-conditioning services in train, industrial and domestic applications. Especially suitable for rail and civil applications where high safety standard exist in case of fire. CFC and HCFC-free flexible and expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effects (GWP zero).

Application



TECHNICAL PARAMETERS

DENSITY	-	60 kg/m ³ + 50 μm (layer)
FIRE PERFORMANCE	EN 45545 EN 13501 -1	R1 : HL 1, HL 2, HL 3 Sheets D-s3,d0
OPERATING TEMPERATURE RANGE	EN 14706/EN 14707	-45 °C - +130 °C
THERMAL CONDUCTIVITY λ at +40°C	EN 12667/EN ISO 8497	≤0.040 W/mK
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)	EN 13469/EN 12086	≥10000
WATER ABSORPTION	EN 13472/EN 1609	< 0,1 kg/m ²
ANTIMICROBIAL BEHAVIOUR	AATCC test method 30-2004, ASTM G21	meets test requirements
CORROSION RISK	EN 13468	meets test requirements

STANDARD DIMENSIONS OF THE MATERIAL

THICKNESS [mm]	DIMENSIONS OF THE SHEET * [mm]
3,0 – 100,0	2000 x 1000

There is a possibility of cutting to size in accordance with your specifications or drawing.

*Other thicknesses / dimensions available on customer's request. There is the possibility to order the material in the roll. Effective dimensions guaranteed as ordered.

OPTIONS**

Maad RF RAIL TECH ALU	without a self-adhesive layer
Maad RF RAIL TECH ALU, SK-M	with a self-adhesive with a mesh layer

** Other composites available on customer's request.



ADDITIONAL TECHNICAL PARAMETERS

Storage conditions/shelf life:

Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Do not expose the material to heat or direct sunlight before installing. Tapes and self-adhesive sheets should not be kept in storage for more than one year.

For all adhesive materials it is important that the surface is clean, dry and free of grease, oil and solvents.

All specifications are mean values and are made to the best of one's knowledge, are however not binding and exclude any requirements of any kind regarding damages or failures to third-party property rights. Tests should be carried out by the buyer.