



MAAD RF RAIL TECH

Description

Our material meets the railway requirements in accordance with the latest standard PN-EN 45545-2+A1:2024-04.

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 |
| FIRE PERFORMANCE | PN-EN 45545-2+A1:2024-04 EN 13501 -1 | R1 : HL 1, HL 2 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 | ≥2000 |
| 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] |
|----------------|--------------------------------|
| 6,0 – 25,0 | 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 | without a self-adhesive layer |
| Maad RF RAIL TECH, SK-M | with a self-adhesive with a mesh layer |

*** Other composites available on customer's request.

In the case of material with a self-adhesive layer, storage at a temperature of +15 to +30 °C

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Maad

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.



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