



**Maad RF Light ALU**

**Density:** 39 kg/m<sup>3</sup>+ layer 50 µm

**Thickness:** 3 – 100mm

**Width:** 1000-1500mm

**Type of material:**

Black closed-cell flexible elastomeric foam (FEF) covered with aluminum. CFC, HCFC free, Antimicrobial behaviour.

**Product range:**

Flat sheets or rolls (also in a self-adhesive version) with thicknesses from 3 to 100 mm.

**Fields of application:**

Extremely flexible and lightweight Thermal insulation, refrigeration, air-conditioning and heating & plumbing services in commercial, industrial and domestic applications.

**Dimensional tolerance:**

In accordance with the European Standard EN 14304.

**Environmental information:**

Flexible and expanded CFC and HCFC-free rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero).

### Technical Data

| Properties  | Result                  | Test Method          |
|---|-------------------------|----------------------|
| Operating temperature range:                              | -45 °C +110 °C          | EN 14706/EN 14707    |
| Thermal conductivity λ:<br>At a mean temperature of 0 °C: | ≤0.034 W/m·K            | EN 12667/EN ISO 8497 |
| At a mean temperature of + 40 °C                          | ≤0.038 W/m·K            |                      |
| Water vapour diffusion resistance factor (µ):             | ≥10000                  | EN 13469/EN 12086    |
| Water absorption:   | < 0,1 kg/m <sup>2</sup> | EN 13472/EN 1609     |
| Fire performance<br>European standard                     | B-s3,d0                 | EN 13501 -1          |

|                          |  |   |
|--------------------------|--|---|
| UK:                      | Fire propagation $i_1 \leq 6.0$<br>Surface spread of flame Class 1<br>Building Regulations Class 0 | BS476: Part 6<br>BS476: Part 7<br>BS476 Parts 6 and 7 |
| USA, Canada              | UL Approved<br>Flame Class V-0 5VA   | UL 94<br>UL 746 A                                     |
| Switzerland:             | Flame Class V.2  |   |
| Ozone resistance:        | Excellent  | ISO 7326  |
| UV resistance:           | Excellent  | UNI ISO 4892-2  |
| Antimicrobial behaviour: | Meets test requirements  | AATCC test method 30-2004                             |
| Corrosion risk:          | Meets test requirements  | EN 13468  |

### 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.